

## WORKSHEET WITH SOLUTION

SQL (CS & IP)

Source: PYTHON4CSIP

## **WORKSHEET WITH SOLUTION** SQL (CS & IP) What are DDL and DML? Give one command of each. Ans. DDL stands for Data Definition Language. DDL commands are used to manipulate the database objects like database, table, views etc. In simple words DDL commands are used to create table, changing the structure of table or dropping the table. Example: CREATE, ALTER & DROP DML stands for Data Manipulation Language. DML commands are used to manipulate the information stored in a table. Like adding new records, changing existing records or deleting the records. Example: INSERT, UPDATE & DELETE Which command is used to add new column in existing table? ALTER TABLE Ans. Which clause is used to search for NULL values in any column? 3 Ans. IS NULL Which command is used to see information like name of columns, data type, size etc.? 4 DESCRIBE OR DESC Ans. Which clause is used for pattern matching? What are the 2 main characters used for 5 matching the pattern? Ans. LIKE % (percent) and \_ (underscore) Which clause is used to see the output of query in ascending or descending order? 6 ORDER BY Ans. Which clause is used to eliminate the duplicate rows from output? 7 DISTINCT Ans. What is the minimum number of column required in MySQL to create table? 8 Ans. Which command is used to remove the table from database? DROP TABLE Ans. Which command is used to add new record in table? 10 **INSERT INTO** Ans. Which option of ORDER BY clause is used to arrange the output in descending order? 11 Ans. Which command is used to change the existing information of table? 12 **UPDATE** Ans. 13 Raj is a database programmer, He has to write the query from EMPLOYEE table to search for the employee whose name begins from letter 'R', for this he has written the query as: SELECT \* FROM EMPLOYEE WHERE NAME='R%'; But the query is not producing the correct output, help Raj and correct the query so that he

Ans.	SELECT * FROM EMPLOYEE WHERE NAME <b>LIKE</b> 'R%';				
14	Raj is a database programmer, He has to write the query from EMPLOYEE table to search for				
	the employee who are not getting any commission, for this he has written the query as:				
SELECT * FROM EMPLOYEE WHERE commission=null;					
But the query is not producing the correct output, help Raj and correct the query so the					
gets the desired output.					
Ans.	SELECT * FROM EMPLOYEE WHERE commission <b>IS</b> null;				
Raj is a database programmer, has to write the query from EMPLOYEE table to searc					
	ampleyees who are weathing in (Calas) or (IT) deportment for this has been written the grown as				

Raj is a database programmer, has to write the query from EMPLOYEE table to search for the
employee who are working in 'Sales' or 'IT' department, for this he has written the query as:
SELECT * FROM EMPLOYEE WHERE department='Sales' or 'IT';
But the query is not producing the correct output, help Raj and correct the query so that he
gets the desired output.
SELECT * FROM EMPLOYEE WHERE department='Sales' or department='IT': OR

Ans. SELECT \* FROM EMPLOYEE WHERE department='Sales' or department='IT'; SELECT \* FROM EMPLOYEE WHERE department IN ('Sales','IT')

gets the desired output.

16			Identify the error and also write the correct query. WHERE SALARY>=5000;		
Ans.			st clause in SQL QUERY, and in this query ORDER		
	BY is used before WHERE which is wrong, the correct query will be:				
	SELECT * FROM EMP WHERE SALARY>=5000 ORDER BY NAME;				
17	If Table Sales contains 5 records and Raj executed the following queries; find out the output				
	of both the query.				
	(i) Select 10	0+200 from dual;			
	(ii) Select 10	0+200 from Sales;			
Ans.	(i) 300				
	(ii) 300				
	300				
	300				
	300				
	300				
18		ice between Equi-Join			
Ans.			mn from two tables and it will return matching		
	1 5		rs twice in output because we fetch using (*) not by		
	specifying column r		f t		
			ame name for column to compare of both table  I return. In natural join column will appear only		
			st be same in both table if we are performing		
	_	he clause NATURAL J			
19			ve the output of question (i) and (ii)		
	TEACHER_CODE	TEACHER_NAME	DOJ		
	T001	ANAND	2001-01-30		
	T002	AMIT	2007-09-05		
	T003	ANKIT	2007-09-20		
	T004	BALBIR	2010-02-15		
	T005	JASBIR	2011-01-20		
	T006	KULBIR	2008-07-11		
			OM TEACHER WHERE TEACHER_NAME LIKE %I%'		
	(ii) SELECT *	FROM TEACHER WHER	E DOJ LIKE '%-09-%';		
Ans	(i)				
	TEACHER_NAME DOJ				
	AMIT	2007-09-05			
	ANKIT	2007-09-20			
	BALBIR	2010-02-15			
	JASBIR	2011-01-20			
	KULBIR	2008-07-11			
	(::)				
	(ii)	TEACHER_NAME	DOJ		
	TEACHER_CODE	TEACHER_NAME			
	T002	AMIT 20	007-09-05		
	T003		007-09-20		
20		n is used to get the ave	rage value of any column?		
Ans.	AVG()	1 - 4 OOLING()	1 COLINID(*) C		
21		ce between COUNT() a			
Ans.			lues in any column excluding the NULLs		
			ery output including NULLs		
	COUNT(*) will count number of rows in query output including NULLs What is the full form of SQL?				
Ans.	What is the full form Structured Query L				

70 0	
23	Query to delete all record of table without deleting the table:
	a. DELETE TABLE TABLE_NAME
	b. DELETE FROM TABLE_NAME
	c. DROP TABLE TABLE_NAME
Δ == α	d. DELETE TABLE FROM TABLE_NAME
Ans.	b. DELETE FROM TABLE_NAME Identify the wrong statement about UPDATE command
24	a. If WHERE clause is missing all the record in table will be updated
	b. Only one record can be updated at a time using WHERE clause
	c. Multiple records can be updated at a time using WHERE clause
	d. None of the above
Ans.	b. Only one record can be updated at a time using WHERE clause
25	Identify the correct statement(s) to drop a column from table
II 36655	a. DELETE COLUMN COLUMN_NAME
	b. DROP COLUMN_NAME
	c. ALTER TABLE TABLE_NAME DROP COLUMN COLUMN_NAME
	d. ALTER TABLE TABLE_NAME DROP COLUMN_NAME
Ans.	c. ALTER TABLE TABLE_NAME DROP COLUMN COLUMN_NAME
	d. ALTER TABLE TABLE_NAME DROP COLUMN_NAME
26	Suppose a table BOOK contain columns (BNO, BNAME, AUTHOR, PUBLISHER), Raj is
	assigned a task to see the list of publishers, when he executed the query as:
	SELECT PUBLISHER FROM BOOK;
	He noticed that the same publisher name is repeated in query output. What could be possible
	solution to get publisher name uniquely? Rewrite the following query to fetch unique publisher names from table.
Ans.	Solution is to use DISTINCT clause.
Tills.	Correct Query: SELECT DISTINCT PUBLISHER FROM BOOK;
27	HOTS
	Consider a database table T containing two columns X and Y each of type integer. After the
	creation of the table, one record (X=1, Y=1) is inserted in the table.
	Lat MV and MV described and the second of the second of the
	Let MX and MY denote the respective maximum values of X and Y among all records in the
	table at any point in time. Using MX and MY, new records are inserted in the table 128 times with X and Y values being MX+1, 2*MY+1 respectively. It may be noted that each time after
	the insertion, values of MX and MY change. What will be the output of the following SQL
	query after the steps mentioned above are carried out?
	SELECT Y FROM T WHERE $X = 7$
	A. 127
	B. 255
	C. 129
	D. 257
Ans.	A. 127
28	Which SQL function is used to find the highest and lowest value of numeric and date type
	column?
Ans.	MAX() and MIN()
29	What is the default order of sorting using ORDER BY?
Ans.	Ascending What is the difference between CHAR and VARCHAR?
30	What is the difference between CHAR and VARCHAR?
Ans.	CHAR is fixed length data type. For example if the column 'name' if of CHAR(20) then all name will occupy 20 bytes for each name irrespective of actual data.
	VARCHAR is variable length data type i.e. it will occupy size according the actual length of
	data
	auu

31 Write SQL queries for (i) to (iv) and find outputs for SQL queries (v) to (viii) which are based on tables

ANO	ANAME	ADDRESS
101	Nirja Singh	Bangalore
102	Rohan Gupta	Chennai
103	Ali Reza	Hyderabad
104	Rishabh Jain	Chennai

TABLE: ACCOUNT

Simran Kaur

TABLE: TRANSACT

TRNO	ANO	AMOUNT	TYPE	DOT	
T001	101	2500	Withdraw	2017-12-21	
T002	103	3000	Deposit	2017-06-01	
T003	102	2000	Withdraw	2017-05-12	
T004	103	1000	Deposit	2017-10-22	
T005	102	12000	Deposit	2017-11-06	

Chandigarh

- (i) To display details of all transactions of TYPE Withdraw from TRANSACT table
- To display ANO and AMOUNT of all Deposit and Withdrawals done in month of (ii) 'May' 2017 from table TRANSACT
- (iii) To display first date of transaction (DOT) from table TRANSACT for Account having ANO as 102
- To display ANO, ANAME, AMOUNT and DOT of those persons from ACCOUNT and (iv) TRANSACT table who have done transaction less than or equal to 3000
- SELECT ANO, ANAME FROM ACCOUNT (v)WHERE ADDRESS NOT IN ('CHENNAI', 'BANGALORE');
- SELECT DISTINCT ANO FROM TRANSACT (vi)
- (vii) SELECT ANO, COUNT(\*), MIN(AMOUNT) FROM TRANSACT GROUP BY ANO HAVING COUNT(\*)> 1
- SELECT COUNT(\*), SUM(AMOUNT) FROM TRANSACT (viii)

WHERE DOT <= '2017-10-01'

Ans. (i) Select \* from TRANSACT where TYPE='Withdraw';

- Select ANO, AMOUNT from TRANSACT where DOT like '%-05-%'; (ii)
- (iii) Select MIN(DOT) from TRANSACT where ANO=102
- (iv) Select ANO, T.ANO, ANAME, AMOUNT from ACCOUNT A, TRANSACT T where A.ANO = T.ANO and AMOUNT<=3000;

(v)

(vi)

105

	ANC	)	ANAM	E
	103		Ali Rez	 a
	105		Simran	Kaur
)				
ļ	ANO			
-				
1	L <b>01</b>			
1	103			
1	.02			
1	ANO	COUN	VT(*)	MIN(AMOU
	102	2		2000

(vii)	ANO	COUNT(*)	MIN(AMOUNT)
	102	2	2000
	103	2	3000

(viii) COUNT(\*) SUM(AMOUNT) 5000

ECODE	for (vii) to (x)  TABLE: EMPLOYEE  ECODE NAME			SGRADE	DOJ	DOB		
101	Vikrant	Execut	ive	S03	2003-03-23	1980-01-13		
102	Ravi	Head-I'	Γ	S02	2010-02-12	1987-07-22		
103	John Cena	Recepti		S03	2009-06-24	1983-02-24		
105	Azhar Ansar			S02	2009-08-11	1984-03-03		
108				S01	2004-12-29	1982-01-19		
TABLE:	SALGRADE							
SGRAD		HRA	]					
S01	56000	18000						
S02	32000	12000						
S03	24000	8000						
(i)	To display deta		mplove	e in descend	ding order of th	neir DOJ		
(ii)						e sgrade is either 'S02		
	'S03'				-I - J	8		
(iii)	To display NAM	ME, DESIG	, SGRA	DE of those	e employee who	o joined in the year 200		
(iv)	To display a					table SALGRADE [wh		
	ANNUAL_SALARY = SALARY*12]							
(v)								
(vi)								
	where SALARY is less than 50000							
(vii)								
(viii)								
(ix)								
(x)	Select sum(sal							
s (i)	SELECT * FRO							
(ii) SELECT NAME, DESIG FROM EMPLOYEE WHERE SGRADE IN ('S02', 'S03') OR SELECT NAME, DESIG FROM EMPLOYEE WHERE SGRADE='S02' OR SGRADE='S03'								
(iii)	SELECT NAME	E,DESIG,S	GRADE	FROM EM	PLOYEE WHEI	RE DOJ LIKE '2009%'		
(iv)	SELECT SGRA	DE, SALAI	RY*12 A	NNUAL_SA	LARY FROM S	ALGRADE		
(v)	SELECT SGRA	DE,COUN	T(*) FR	OM EMPLO	YEE GROUP B	Y SGRADE		
(vi)	SELECT NAME	E,DESIG,S	ALARY,	HRA FROM	EMPLOYEE E	S,SALGRADE S WHERE		
	E.SGRADE=S.	SGRADE A	AND SA	LARY<=500	00	_		
(vii)	MIN(DOJ)	MAX(DC	)B)					
	2003-03-23	1987-07	-22					
2003-03-23 1987-07-22 (viii) SGRADE SALARY+HRA								
S02 44000								
	S02 44	000						

37333.33

112000

Write SQL queries for (i) to (iv) and write outputs for SQL queries (v) to (viii), which are based on the table given below:

## Table: TRAINS

TNO	TNAME	START	END
11096	Ahimsa Express	Pune Junction	Ahmedabad Junction
12015	Ajmer Shatabdi	New Delhi	Ajmer Junction
1651	Pune Hbj Special	Pune Junction	Habibganj
13005	Amritsar Mail	Howrah Junction	Amritsar Junction
12002	Bhopal Shatabdi	New Delhi	Habibganj
12417	Prayag Raj Express	Allahabad Junction	New Delhi
14673	Shaheed Express	Jaynagar	Amritsar Junction
12314	Sealdah Rajdhani	New Delhi	Sealdah
12498	Shane Punjab	Amritsar Junction	New Delhi
12451	Shram Shakti Express	Kanpur Central	New Delhi
12030	Swarna Shatabdi	Amritsar Junction	New Delhi

## Table: PASSENGERS

PNR	TNO	PNAME	GENDER	AGE	TRAVELDATE	
P001	13005	R N AGRAWAL	MALE	45	2018-12-25	
P002	12015	P TIWARY	MALE	28	2018-11-10	
P003	12015	S TIWARY	FEMALE	22	2018-11-10	
P004	12030	S K SAXENA	MALE	42	2018-10-12	
P005	12030	S SAXENA	FEMALE	35	2018-10-12	
P006	12030	P SAXENA	FEMALE	12	2018-10-12	
P007	13005	N S SINGH	MALE	52	2018-05-09	
P008	12030	J K SHARMA	MALE	65	2018-05-09	
P009	12030	R SHARMA	FEMALE	58	2018-05-09	

- (i) To display details of all Trains which starts from New Delhi
- (ii) To display PNR, PNAME, GENDER and AGE of all passengers whose AGE is below 50
- (iii) To display total numbers of MALE and FEMALE passengers
- (iv) To display records of all passengers travelling in trains whose TNO is 12015
- (v) SELECT MAX(TRAVELDATE), MIN(TRAVELDATE) FROM PASSENGERS WHERE GENDER='FEMALE';
- (vi) SELECT END, COUNT(\*) FROM TRAINS GROUP BY END HAVING COUNT(\*)>1;
- (vii) SELECT DISTINCT TRAVELDATE FROM PASSENGERS;
- (viii) SELECT TNAME, PNAME FROM TRAINS T, PASSENGERS P WHERE T.TNO=P.TNO AND AGE BETWEEN 50 AND 60

Ans	(i)		SELECT * FROM TRAINS WHERE START='NEW DELHI' SELECT PNR,PNAME,GENDER,AGE FROM PASSENGER WHERE AGE<50			
	(ii) (iii)		DE FROM PASSENGER WHERE AGE<50  M PASSENGERS GROUP BY GENDER			
	(iv)			HERE TNO=12015		
	(v)		ATE) MIN(TRA	300		
	8707.5					
			2018-05-0			
	(vi)	END	COUNT(*	)		
		HABIBGANJ	2			
		AMRITSAR JUN	CTION 2			
		NEW DELHI	4			
	(vii)	TRAVELDATE				
		2018-12-25				
		2018-11-10				
		2018-10-12				
		2018-05-09				
(viii)		) TNAME	PNAN	1E		
		AJMER SHATAE	BDI PTIW	ARY		
		AJMER SHATAE	BDI S TIW	ARY		
			GRAWAL			
		A CONTRACTOR OF THE PARTY OF TH	ACTION CONTROLS			
		SWARNA SHAT		ARMA		
		SWARNA SHAT				
34	Consid			SSORIES, write the query for (i) to (v) and output for		
	(vi) to (:					
	Table :	SHOPPE				
	Id	SName	Area			
	S01	ABC Computronics	CP			
	S02	All Infotech Media	GK II			
	S03	Tech Shoppe	CP			
	S04	Geeks Tecno Soft	Nehru Place			
	S05	Hitech Tech Store	Nehru Place			

4 1			T
lo	Name	Price	Id
401	Mother Board	12000	S01
A02	Hard Disk	5000	S01
A03	Keyboard	500	S02
A04	Mouse	300	S01
A05	Mother Board	13000	S02
A06	Keyboard	400	S03
A07	LCD	6000	S04
T08	LCD	5500	S05
T09	Mouse	350	S05
T10	Hard Disk	4500	S03
(v) T (vi) S (vii) S (viii) S (ix) S	SELECT I SELECT I SELECT I S.ID=A.II SELECT I NAME	RIES where letails of accommodate accommod	Price is ressories FROM A ROM SHOULD SHOULD FROM SHOUL
(vi		COUNT	T. (T)
	CK II	2 1	
		ace 2	
(vi		CE) MAX	(PRICE)
(ix	k) NAME	13 DISC	OUNT
		25	
	Mother B		
	Keyboard		

Ans

A01

A05

NO

NAME

Mother board

Mother board

**PRICE** 

12000

13000

ID

S01

S02

**AREA** 

GK II

CP

225

Hard Disk

SNAME

S01 ABC Computronics

S02 All Infotech media

ID

(x)

	a) In a database there are two tables : Write MYSQL queries for (i) to (iii)									
	Table : Ite			•						
	ICode	IName		Price	Color	VCode				
	S001	Mobile I	Phones	30000	Silver	P01				
	S002	Refriger	THE PARTY OF THE P	20000	Cherry	P02				
	S003	TV		45000	Black	P03				
	S004	Washing	g Machine	12000	White	P04				
	S005	Air Con	ditioner	50000	White	P05				
	Table: Ve	endor	X areas become							
	VCode		20 AV 2500 (2500 (2500 )	VName						
	P01 P02 P03		Rahul							
			Mukesh							
			Rohan							
	P04		Kapil							
	(i) To disp	lay ICode,	IName and VNam	e of all the vendo	ors, who manufa	cture "Refrigerator".				
			e, ICode, VName a							
	(iii) To dis	play Vnan	ne and IName man	ufactured by ver	ndor whose code	is "P04".				
Ans	(i)		Code, IName,VNar Refrigerator'	ne from Item I,	Vendor V where	e I.Vcode=V.VCode a				
			output of the follo	owing-						
And	<ol> <li>Select</li> <li>Select</li> <li>Select</li> </ol>	t Round(14 t Round(7) t Substr(" t Dayofmo	449.58,-2);		JE	IP ONLY				
	1. Select 2. Select 3. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24	t Round(14 t Round(73 t Substr(** t Dayofmo ) Rah	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24")	ı;	JE,	IP ONLY				
	<ol> <li>Select</li> <li>Select</li> <li>Select</li> <li>Select</li> <li>Select</li> <li>1400</li> <li>7.579</li> <li>elloh</li> <li>24</li> <li>a datal</li> </ol>	t Round(14 t Round(7) t Substr(" t Dayofmo ) Rah	449.58,-2); .5789,3); Hello Rahul",3,8);	ı;	ries for (i) to (vi)	IP ONLY				
And 36	<ol> <li>Select</li> <li>Select</li> <li>Select</li> <li>Select</li> <li>Select</li> <li>1. 1400</li> <li>7.579</li> <li>elloh</li> <li>24</li> <li>In a datal</li> <li>Table: De</li> </ol>	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24")	/rite MYSQL que						
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	1. Select 2. Select 3. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: DocID 101 102	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Mis Mahesh	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24") are two tables : W	Prite MYSQL quer Department Ortho ENT	NoofOpdDa 3 4					
	1. Select 2. Select 3. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: Dello 101 102 103	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Misi Mahesh Ravi Ku	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24") are two tables : W	Department Ortho ENT Neuro	NoofOpdDa 3 4 5					
	1. Select 2. Select 3. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: Do DocID 101 102 103 104	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Mis Mahesh Ravi Ku Mukesh	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24") are two tables : W	Prite MYSQL quer Department Ortho ENT	NoofOpdDa 3 4					
	1. Select 2. Select 3. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: DocID 101 102 103 104 Table: Pa	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Mis Mahesh Ravi Ku Mukesh	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24")  are two tables : We have the second tripathic mare	Department Ortho ENT Neuro Physio	NoofOpdDa 3 4 5 3					
	1. Select 2. Select 3. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: Do DocID 101 102 103 104 Table: PatNo	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Mis Mahesh Ravi Ku Mukesh	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24")  are two tables : We he hra tripathic mar Jain  PatName	Department Ortho ENT Neuro Physio  Department	NoofOpdDa 3 4 5 3					
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	1. Select 2. Select 3. Select 4. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: Delect DocID 101 102 103 104 Table: PatNo 1 2	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Mis Mahesh Ravi Ku Mukesh	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24")  are two tables : We have the tripathic mare Jain  PatName Payal Naveen	Department Ortho ENT Neuro Physio  Department ENT Ortho	NoofOpdDa 3 4 5 3 DocId 102 101					
	1. Select 2. Select 3. Select 4. Select 4. Select 1. 1400 2. 7.579 3. elloh 4. 24 In a datal Table: Do DocID 101 102 103 104 Table: Pat PatNo 1 2 3	t Round(14 t Round(7) t Substr(" t Dayofmo Rah base there octors DocNam J K Mis Mahesh Ravi Ku Mukesh	449.58,-2); .5789,3); Hello Rahul",3,8); nth("2020-10-24")  are two tables : We he hra tripathi mar Jain  PatName Payal Naveen Rakesh	Department Ortho ENT Neuro Physio  Department ENT Ortho Neuro Neuro	NoofOpdDa 3 4 5 3 DocId 102 101 103					
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Ans.		select PatNo,PatNa P.DocID	ame,DocName	from Doctors	D,Patients P wh	nere D.DocID =		
		select * from Doctor	rs where NoofO	ndDays>3				
		Select DocID,DocN			m Doctor D. P	atient P where		
		D.DocId = P.DocId a			,			
	(iv) :	select count(distinc	t Department)	from Patient				
37	Given the	Table "BANK" with	records, Give t	the output of give	en queries –			
	NAME							
	SACHIN							
	RAMESH	i						
	DINESH VIKAASH	ı						
	RAJU	1						
	AMRITES	SH						
		ect * from BANK wh	nere Name Like	"%ES%";				
	ii. Sel	ect * from BANK wh	nere Nome Like	' сп,				
_	777		Tere Walle Like	511				
Ans		MESH NESH						
		RITESH						
		MESH						
		NESH						
38		database developer						
	whose na	me starts from 'R'	and they have	not allotted any	project, for this	he has written		
	the following query-							
	Select * from Employee where Name = 'R%' and Project=Null;							
	But the query is not producing the correct output. Rewrite the query after correcting the							
		Hery is not produc	ing the correct	output Rewrit	e the guery after	correcting the		
	errors	uery is not produc	ing the correct	t output. Rewrit	e the query after	correcting the		
Ans	errors	om Employee wher				correcting the		
Ans	errors Select * fr		e Name like 'R%	%' and Project is	null			
	errors Select * fr	om Employee wher	e Name like 'R%	%' and Project is	null v) and output for AmountPaid			
	errors Select * fr	om Employee wher	e Name like 'R% data, write the Gender F	%' and Project is query for (i) to (i	null v) and output for			
	errors  Select * fr  Considerir  VisitorID  1  2	om Employee where  ng the Visitor table  VisitorName  Suman  Indu	e Name like 'R% data, write the Gender F	6' and Project is query for (i) to (i ComingFrom Kanpur Lucknow	null v) and output for AmountPaid 2500 3000			
	errors  Select * fr  Considerir  VisitorID  1  2  3	om Employee where ag the Visitor table of VisitorName Suman Indu Rachana	e Name like 'R% data, write the Gender F F F	6' and Project is query for (i) to (i ComingFrom Kanpur Lucknow Haryana	null v) and output for AmountPaid 2500 3000 2000			
	errors  Select * fr  Considerir  VisitorID  1  2  3  4	om Employee where  g the Visitor table  VisitorName  Suman  Indu  Rachana  Vikram	e Name like 'R% data, write the Gender F F F M	6' and Project is query for (i) to (i ComingFrom Kanpur Lucknow Haryana Kanpur	null v) and output for AmountPaid 2500 3000 2000 4000			
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5	om Employee where ng the Visitor table of VisitorName Suman Indu Rachana Vikram Rajesh	e Name like 'R% data, write the Gender F F M M	6' and Project is query for (i) to (i ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur	null v) and output for AmountPaid 2500 3000 2000 4000 3000			
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6	om Employee when ng the Visitor table VisitorName Suman Indu Rachana Vikram Rajesh Suresh	e Name like 'R% data, write the Gender F F M M M	6' and Project is query for (i) to (i ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Allahabad	null v) and output for AmountPaid 2500 3000 2000 4000			
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7	om Employee where ng the Visitor table of VisitorName Suman Indu Rachana Vikram Rajesh	e Name like 'R% data, write the Gender F F M M	6' and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Kanpur Allahabad Lucknow	null  v) and output for  AmountPaid  2500  3000  2000  4000  3000  3600			
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8	om Employee where  In the Visitor table of VisitorName  Suman  Indu  Rachana  Vikram  Rajesh  Suresh  Dinesh  Shikha	e Name like 'R% data, write the Gender F F M M M M M F	6' and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Kanpur Allahabad Lucknow Varanasi	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8  (i) Wr	om Employee where  Ing the Visitor table of VisitorName Suman Indu Rachana Vikram Rajesh Suresh Dinesh Shikha ite a query to displayed	e Name like 'R% data, write the Gender F F M M M M F lay VisitorNam	6' and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Allahabad Lucknow Varanasi e, Coming From	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600 5000 a details of Femal	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8  (i) Wr  Am  (ii) Wr	om Employee where  Ing the Visitor table of VisitorName  Suman  Indu  Rachana  Vikram  Rajesh  Suresh  Dinesh  Shikha  ite a query to displayed	e Name like 'R% data, write the  Gender  F  F  M  M  M  M  F  lay VisitorNam an 3000 ay all coming fr	6' and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Allahabad Lucknow Varanasi e, Coming From	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600 5000 a details of Femal	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8  (i) Wr  (ii) Wr  (iii) Wr	om Employee where  Ing the Visitor table of VisitorName  Suman  Indu  Rachana  Vikram  Rajesh  Suresh  Dinesh  Shikha  ite a query to displatite a query to displatite a query to displatite a query to insert	e Name like 'R% data, write the  Gender F F M M M M F lay VisitorNam an 3000 ay all coming fr	6' and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Allahabad Lucknow Varanasi e, Coming From	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600 5000 a details of Femal	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8  (i) Wr  Am  (ii) Wr  (iii) Wr	om Employee where  Ing the Visitor table of VisitorName Suman Indu Rachana Vikram Rajesh Suresh Dinesh Shikha ite a query to displatite a query to displatite a query to insert 7, 'Shilpa','F','Luckr	data, write the  Gender  F  F  M  M  M  M  F  lay VisitorNam an 3000 ay all coming fr t the following value on w',3000	do and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Allahabad Lucknow Varanasi e, Coming From om location unicoalues-	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600 5000 a details of Femal	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8  (i) Wr  Am  (ii) Wr  (iii) Wr  (iii) Wr  (iv) Wr	om Employee where  Ing the Visitor table of VisitorName  Suman  Indu  Rachana  Vikram  Rajesh  Suresh  Dinesh  Shikha  ite a query to displatite a query to displatite a query to displatite a query to insert	data, write the  Gender  F  F  M  M  M  M  F  lay VisitorNam an 3000 ay all coming fr t the following value on w',3000	do and Project is query for (i) to (i) ComingFrom Kanpur Lucknow Haryana Kanpur Kanpur Allahabad Lucknow Varanasi e, Coming From om location unicoalues-	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600 5000 a details of Femal	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1  2  3  4  5  6  7  8  (i) Wr  Am  (ii) Wr  (iii) Wr  (iii) Wr  (iv) Wr  hig	om Employee where  Ing the Visitor table of VisitorName Suman Indu Rachana Vikram Rajesh Suresh Dinesh Shikha ite a query to displatite a query to displatite a query to insert 7, 'Shilpa','F','Luckrite a query to displatite a query to displat	data, write the  Gender  F  F  M  M  M  M  F  lay VisitorNamen 3000 ay all coming frow 3000 play all details	do and Project is query for (i) to (i)  ComingFrom  Kanpur  Lucknow  Haryana  Kanpur  Kanpur  Allahabad  Lucknow  Varanasi  e, Coming From  om location unicyalues-  of visitors in o	null v) and output for AmountPaid 2500 3000 2000 4000 3000 3600 5000 a details of Femal	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1 2 3 4 5 6 7 8 (i) Wr (ii) Wr (iii) Wr (iii) Wr (iv) Wr hig (v) Sel (vi) Sel	om Employee where  Ing the Visitor table of VisitorName  Suman  Indu  Rachana  Vikram  Rajesh  Suresh  Dinesh  Shikha  ite a query to displayite a query to insert 7, 'Shilpa','F','Luckrite a query to displayite a query t	data, write the  Gender  F  F  M  M  M  M  F  lay VisitorNam an 3000 ay all coming free the following wear and wow',3000 play all details  m Visitor where the following was all come visitor where the following was all details of th	do and Project is query for (i) to (i)  ComingFrom  Kanpur  Lucknow  Haryana  Kanpur  Kanpur  Allahabad  Lucknow  Varanasi  e, Coming From  om location unicyalues-  of visitors in one  e Gender='M';  where VisitorID=	null  v) and output for  AmountPaid  2500  3000  2000  4000  3000  3600  5000  details of Femal quely  order of their Am	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1 2 3 4 5 6 7 8 (i) Wr (ii) Wr (iii) Wr (iii) Wr (iv) Wr hig (v) Sel (vi) Sel (vii) Sel	om Employee where  Ing the Visitor table of VisitorName Suman Indu Rachana Vikram Rajesh Suresh Dinesh Shikha ite a query to displate a query to displate a query to insert 7, 'Shilpa','F','Luckrite a query to displate a query to displate a query to displate a query to insert 7, 'Shilpa','F','Luckrite a query to displate a qu	data, write the  Gender  F  F  M  M  M  M  F  Slay VisitorNam  an 3000  ay all coming free the following wear to mow',3000  play all details  m Visitor where the control of from Visitor wid) from Visitor wido.	do and Project is query for (i) to (i)  ComingFrom  Kanpur  Lucknow  Haryana  Kanpur  Kanpur  Allahabad  Lucknow  Varanasi  e, Coming From  om location unional control of visitors in one  e Gender='M';  where VisitorID=  where comingFrom	null  v) and output for  AmountPaid  2500  3000  2000  4000  3000  3600  5000  details of Femal quely  order of their Am  =6; rom='Kanpur';	(v) to (viii)		
	errors  Select * fr  Considerir  VisitorID  1 2 3 4 5 6 7 8 (i) Wr (ii) Wr (iii) Wr (iii) Wr (iv) Wr hig (v) Sel (vi) Sel (vii) Sel	om Employee where  Ing the Visitor table of VisitorName  Suman  Indu  Rachana  Vikram  Rajesh  Suresh  Dinesh  Shikha  ite a query to displayite a query to insert 7, 'Shilpa','F','Luckrite a query to displayite a query t	data, write the  Gender  F  F  M  M  M  M  F  Slay VisitorNam  an 3000  ay all coming free the following wear to mow',3000  play all details  m Visitor where the control of from Visitor wid) from Visitor wido.	do and Project is query for (i) to (i)  ComingFrom  Kanpur  Lucknow  Haryana  Kanpur  Kanpur  Allahabad  Lucknow  Varanasi  e, Coming From  om location unional control of visitors in one  e Gender='M';  where VisitorID=  where comingFrom	null  v) and output for  AmountPaid  2500  3000  2000  4000  3000  3600  5000  details of Femal quely  order of their Am  =6; rom='Kanpur';	(v) to (viii)		

Ans.	(i)		me,ComingFrom	from	Visitor	where	Gender='F'	and		
	(**)	AmountPaid>3000		•,						
	(ii) Select distinct ComingFrom from Visitor (iii) insert into visitor values(7, 'Shilpa', 'F', 'Lucknow', 3000)									
	(iii)	Select * from visitor								
	(iv) ( <b>v</b> )	VisitorName	or order by Amoun	traid de	SC					
	(*)	VISICOTNAME								
		Vikram								
		Rajesh								
		Suresh								
	<b>/_</b> *\	Dinesh AmountPaid+200								
	(vi)	AmountPaid+200								
		3800								
	(vii)	Sum(AmountPaid	)							
		9500	•							
	(viii)	Count(VisitorNam	ne)							
	(,									
	***	1								
40		e a MySQL query to					1			
	ID		Datatype	6	ze		_			
	Nan		Char Varchar	30	)		_	_		
	Fee		Int	10						
	DO		Date							
Ans.		e table member(id c	Action and action	nar(30),f	ee int(10),	doj date)				
41	What is t	he Difference betwe	en ALTER Table co	ommand	and UPE	OATE com	mand?			
Ans.		s DDL command a			on a version of the contract o			og new		
71113.		modifying column								
	used for modifying the existing data of table like changing the mobile number, changing salary etc.						Ü			
42		was deleting the re	*	- A						
		add condition empr						No.		
		er is executing the			ds of em	ployee wh	o are getting	salary		
		4000 to 8000, he ex lect * from employed			00 to 800	ıO·				
		not getting the cor								
Ans.	(i)	If where clause is a					e record of tab	ole.		
	(ii)	Select * from emple	_				3 - 1 - 1 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	. ***		
43	Write MY	SQL command to se	ee the list of tables	in curr	ent datab	ase				
Ans.	Show tab	288900000								
44		cides to delete a Pho		•	0. <del>7</del>	5.00		ıe data		
		able. Write the com	ALTERNATION TO A STATE OF THE S	at partic	ular colui	nn in stud	dent table.			
Ans.		ABLE student drop	A CONTRACTOR OF THE CONTRACTOR			on toble T	DO IFOT com	toins E		
45		Employee contains of 3 Columns. How								
	- 10 mg - 2 mg - 2 mg - 2	of these two tables?	many rows and	Column	s will be	there if	we obtain ca	riesian		
Ans.	Rows = 5							_		
1110.		= 4 + 3 = 7								
46		created a table nam	ed student, He wa	ants to	see those	students	whose name	ending		
	with p. H	e wrote a query- S	ELECT * FROM s	tudent '	WHERE 1	ame="p%	o";			
		luery is not produci		put, Hel	p Ranjeet	to run th	e query by re	moving		
	the error	s from the query an	d rewriting it.		- **					

Ans	SELECT * FROM student WHERE name LIE "p%";								
47	Consider the following EMPLOYEE table write MYSQL command for (i) to (iv) and Outputs for								
	(v) to (viii)								
	EMPNO	ENAM	1E	DEPT	SALARY	С	OMM		
	1	ANKI		HR	20000		200		
	2	SUJE	95	ACCOUNTS					
	3	VIJAY		HR	28000	20	000		
	4	NITIN	10	SALES	18000		000		
	5	VIKRA		SALES	22000		700		
	3	VIIXI	7171	ONLEG	22000	1	700	J,	
Ans.	(ii) To 20 (iii) To (iv) Cl (v) To (vi) So (vii) So (iii) So (iii) So (iii) So (iii) So (iv) up (v) in (vi) 19	o display 0000 o count nange the o insert '6', 'SU elect AV elect EN lect ena elect * fr lect cou odate er sert inte	y the distinction of salar anew of the salar anew of the salar anew of the salar anew of the salar ane from emotion of the salar ane from emotion of the salar ane from emotion of the salar ane sal	t department ry of NITIN fr row in the tal HR', 40000,20 (M) from Emp EPT from En SALARY+100 m employee where inct dept) fro e set salary=2 byee values(6) g record inser	ALES dept enter from the table of 18000 to ble Employee 000 ployee inployee where NEWSAL from the dept='Sales' of employee; 20000 where enter of SUMIT', 'HR	nployed le 20000  e Dept m Emplike 'V and sa	in('HR','A oloyee '%' order alary>200	c earning s	er of their salary alary more than
	SI VI	NKIT JJEET JAY NAME	HR ACC HR <b>NEW</b>	COUNTS					
		NKIT JJEET	201 241						
		JAY	281						
	VIKRAM 22			100 100					
10		JMIT	401	10111110110	11 DNO.		1.		
48									
	Table : ENQ		T	Ĭ	Ciac		Constra	into	
	Name of co	iumn	Type	vo1	Size 4		Constra		
	visitorID Decir visitorName Varch visitorMobile Char		C Processor Services	- Contraction	20		Primary		
			Char	ai			Not null		
	visitorMobi	40770	Varch	or	40				
Δης				nar   40   itorID decimal(4) primary key, visitorName varchar(20) visitorMo					20) visitorMobile
Ans.				torid decima ldress varcha	· , ·	Key, VI	nismonan	varchar(2	20) visitorivionile
49	In a databas				at (+0))				
73	Table : Doct		are tw	o labics.					
	DocID	O1	Ī	DocName		Specialist			
	D001			Vimal Jha		Cardi			
	D001			Sunil Bawra		Ortho			
	D002			Mukul Barman		Surgeon			
	D004			Nitesh Solar	- D1000-	Skin			
	Nitesii solaliki Skiii								

(i) To pat (ii) To 20.2 (ii) seld (iii) Sel (iiii) Sel (iiii) Sel (iiii) Sel (iiii) Sel (iiii) Sel (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	ient display DocNa 13 ect PatID, PatNa 1 specialist in ('ect DocName,PateAdm<'2013-1 output of followect Round(55.6 ect mid('examinect Round(4562) ect length(trim(	the following PatName, and PatName, PatName from O-15' ving Mysql Que 198,2) mation',4,4) 2.778,-2) ('exam')	of those patient from Doctor D, Doctor D, patien eries –	who are adn	F 'Cardio' and 'Ortonitted before 15-Core D.DocID = P.DocID and 'Ortonitted before 15-Core D.DocID and 'Ortonitted before 15-Core D.DocID = P.DocID and 'Ortonitted before 15-Core D.DocID = P.DocID and 'Ortonitted before 15-Core D.DocID = P.DocID and 'Ortonitted before 15-Core D.DocID and 'Ortonitted before 15-Core D.DocID = P.DocID and 'Ortonitted before 15-Core D.DocID and 'Ortonitted before 15-Core D.DocID = P.DocID and 'Ortonitted before 15-Core D.DocID and 'Ortonitted before 15-Core D	
P002 P003 P004 P005  Trite the Mys (i) To pat (ii) To 201 (i) seld and (ii) seld That will be (i) Sel (iii) 460	Susheel Wasim Sanjay Jai  SQL queries for display PatID, ient display DocNation of the sect PatID, PatNation of the sect PatID, Pa	the following PatName, and PatName, PatName from 0-15' wing Mysql Que 198,2) mation',4,4) 2.778,-2) ('exam')	13-09-01 13-10-15 13-10-12 13-10-17  d corresponding of those patient from Doctor D, patient eries –	D001 D002 D003 D003 D003 g DocName of the whole are admits a patient P where D.	mitted before 15-C	
(i) Sel (ii) Sel (iii) Sel	Wasim Sanjay Jai  SQL queries for display PatID, ient display DocNation of Sect PatID, PatNot Sect PatID, Pat Not Sect PatID,	the following PatName, and PatName, PatName from 0-15' ving Mysql Que 198,2) mation',4,4) (*exam**)	13-10-15 13-10-12 13-10-17  d corresponding of those patient from Doctor D, Doctor D, patient eries –	D002 D003 D003 g DocName of the who are admits a who are admits a whole admits a whole ad	mitted before 15-C	
(ii) Sel (iii) Sel	Sanjay Jai  SQL queries for display PatID, ient display DocNa 3 ect PatID, PatNa d specialist in ('ect DocName,PateAdm<'2013-1 output of followect Round(55.6 ect mid('examirect Round(4562) ect length(trim(450)) aa 00	the following PatName, and PatName, PatName from 0-15' ving Mysql Que 198,2) mation',4,4) (2.778,-2) (*exam*)	13-10-12 13-10-17  d corresponding of those patient from Doctor D, Doctor D, patient eries –	D003 D003 g DocName of the who are admits a who are admits a whole are admits a patient P where D.	mitted before 15-C	
(i) Sel (ii) Sel (iii) Sel (iiii) Sel (iiiiiiiii) 460	Jai  SQL queries for display PatID, ient display DocNa  3 ect PatID, PatNa d specialist in ('ect DocName,PateAdm<'2013-1 output of followect Round(55.6 ect mid('examinect Round(4562) ect length(trim(450)) na  OO	the following PatName, and PatName, PatName (Cardio', 'Orto'); PatName from 0-15' wing Mysql Que (598,2) mation',4,4) (2.778,-2) (*exam*)	is discorresponding of those patient from Doctor D, Doctor D, patient eries –	D003  g DocName of the whole are admits a whole are admits a where D.	mitted before 15-C	
rite the Mys (i) To pat (ii) To 203 (i) seld and (ii) seld Dar That will be (i) Sel (ii) Sel (iii) Sel (iii) Sel (iii) Sel (iii) Sel (iii) 460	SQL queries for display PatID, ient display DocNa 3 ect PatID, PatNa 4 specialist in ('ect DocName,PateAdm<'2013-1 output of followect Round(55.6 ect mid('examinect Round(4562) ect length(trim(70) na 00	the following PatName, and PatName, PatName fame, PocName (Cardio', 'Orto'); PatName from 0-15' wing Mysql Que 198,2) mation',4,4) (2.778,-2) (4 exam 1)	corresponding of those patient from Doctor D, Doctor D, patient eries –	g DocName of twho are admirated Patient P where D.	mitted before 15-C	
(i) To pat (ii) To 20.2 (ii) seld (iii) Sel (iiii) Sel (iiii) Sel (iiii) Sel (iiii) Sel (iiii) Sel (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	display PatID, ient display DocNa 13 ect PatID, PatNa 1 specialist in ('ect DocName,PateAdm<'2013-1 output of followect Round(55.6 ect mid('examirect Round(4562) ect length(trim(450)) na 00	PatName, and me, PatName fame, PocName fame, PocName for Cardio', 'Orto'); PatName from 0-15' wing Mysql Que 198,2) mation',4,4) 2.778,-2) ('exam')	of those patient from Doctor D, Doctor D, patien eries –	Patient P when	mitted before 15-C	
(i) seld and (ii) seld Dar (ii) Sel (iii) Sel (iii) Sel (iv) Sel (iii) (iii) 460	ect PatID, PatNord specialist in ('ect DocName,PateAdm<'2013-1 output of followect Round(55.6 ect mid('examinect Round(4562) ect length(trim(70) na	Cardio','Orto'); PatName from 0-15' ving Mysql Que 598,2) nation',4,4) 2.778,-2) (' exam '))	Doctor D, patier	nt P where D.		
(ii) seld Dar That will be (i) Sel (iii) Sel (iv) Sel (ii) mir (iii) 460	ect DocName,P teAdm<'2013-1 output of follow ect Round(55.6 ect mid('examir ect Round(4562 ect length(trim(	PatName from 0-15' ving Mysql Que 598,2) nation',4,4) (2.778,-2) (4 exam 9)	Doctor D, patier	<u>e</u>	IP ONLY	
(i) Sel (ii) Sel (iii) Sel (iv) Sel (ii) Sel (iv) Sel (ii) min (iii) 460	output of follow ect Round(55.6 ect mid('examir ect Round(4562 ect length(trim( 70 na	ving Mysql Que 598,2) nation',4,4) 2.778,-2) (' exam '))		DENT)	IP ONLY	
(ii) mir (iii) 460	na 00	ollowing require	ements (STII	DENT)		
(iv) 4 1. Write (						
d	NAME	STIPEND	SUBJECT	AVERAGE	DIV	
1	KARAN	400	PHYSICS	68	1	
2	DIVAKAR	450	COMP SC	68	1	
3	DIVYA	300	CHEMISTRY	62	2	
<u> </u>	ARUN	350	PHYSICS	63	1	
5	SABINA	500	MATHS	70	1	
5	JOHN	400	CHEMISTRY	55	2	
7	7/ N	2	PHYSICS	64	1	
92.	ROBERT	250	10-40-4000 (10-10-4000 400 (10-00-400-400 10-00-400-400-400-400-400-400-400-400-40	September 1	J. 1880	
3	RUBINA	450	MATHS	NULL	NULL	
9	VIKAS	500	COMP SC	62	1	
10	MOHAN	300	MATHS	57	2	
GUIDE						
SUBJECT			ADVISOR			
PHYSICS			ALOK			
COMP SC			RAJAN			
CHEMISTRY	•		MANJU			
MATHS			SMITA			
HISTORY	SPLAY THE NAM	ME OF STUDE	8 _ %	ND ADVISOR	NAME	
PH CC	IBJECT IYSICS DMP SC IEMISTRY ATHS STORY	IBJECT IYSICS DMP SC IEMISTRY ATHS STORY 1. TO DISPLAY THE NA	IBJECT IYSICS DMP SC IEMISTRY ATHS STORY 1. TO DISPLAY THE NAME OF STUDE	ADVISOR ALOK ALOK AMP SC RAJAN REMISTRY MANJU ATHS STORY KISHORE  1. TO DISPLAY THE NAME OF STUDENT, SUBJECT A	ADVISOR ALOK DMP SC RAJAN HEMISTRY MANJU ATHS SMITA	

Ans.	<ol> <li>Select Name, Subject, Advisor from Student S, Guide G where S. subject = G. subject;</li> <li>Select Name, Advisor from Student S, Guide G where S. subject = G. subject and S. subject in ('Physics', 'Chemistry')</li> </ol>							
52	DIFFERENCE BETWEEN							
	1. HAVING AND WHERE							
	2. % AND _							
	3. CHAR AND VARCHAR							
Ans.	(1)							
71115.	<b>HAVING</b> – this clause is used with GROUP BY to filter the group of records. We can use							
	aggregate functions with HAVING.							
	<b>WHERE</b> – this clause is used to apply condition on all the rows of table. We cannot use							
	aggregate functions with WHERE.							
	(2) % is a wildcard character used with LIKE and it is used for substituting multiple							
	characters while matching the pattern. Matching text can be of any length							
	_ (underscore) is also a wildcard character used with LIKE but it substitute only single							
	character at given position while matching the pattern. Length will be fixed.							
	(3) Refer to Answer no. 30							
53	OUTPUT -							
00	a. Select Substring('mysql application',3,3)							
	b. Select instr('mysql application','p');							
	c. Select round(7756.452,1);							
	d. Select round(59999.99,-2);							
A	e. Select right('mysql application',3);							
Ans.	a. sql							
	b. 8 c. 7756.5							
	d. 60000							
	e. Ion							
	0. 1011							