DBMS LAB FILE

NAME- DEV RAWAT

CLASS- BCA(AI/ML)

ROLL NO.- 24/SCA/BCA(AI/ML)/017

SEMISTER- 1-B

CREATION OF TABLES

QUESTION 1. Create a table called Employee with the following structure.

a. Add a column commission with domain to the Employee table.

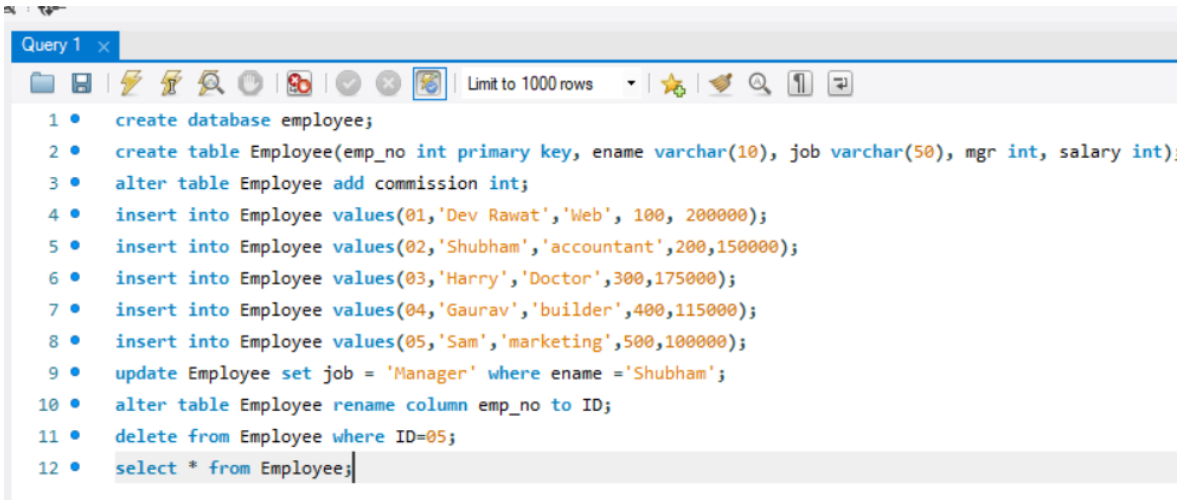
b. Insert any five records into the table.

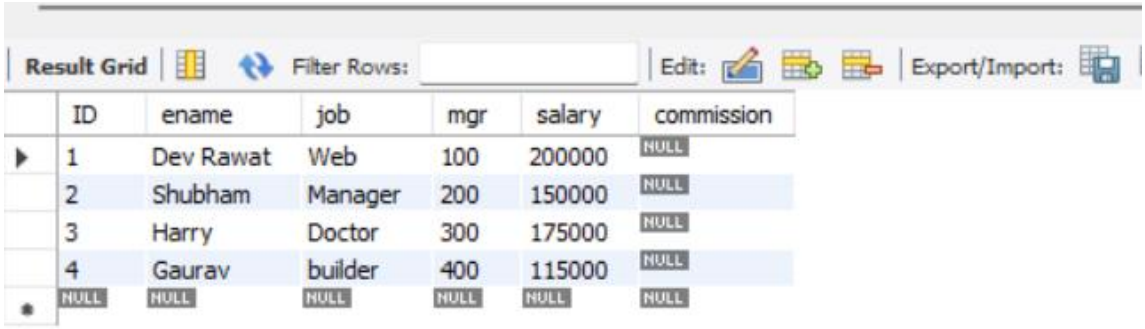
c. Update the column details of job

d. Rename the column of Employ table using alter command.

e. Delete the employee whose empno is 19.

ANSWER-





Result Grid | Filter Rows: | Edit: | Export/Import:

ID	ename	job	mgr	salary	commission
1	Dev Rawat	Web	100	200000	NULL
2	Shubham	Manager	200	150000	NULL
3	Harry	Doctor	300	175000	NULL
4	Gaurav	builder	400	115000	NULL
NULL	NULL	NULL	NULL	NULL	NULL

QUESTIONV2. Create department table with the following structure.

a. Add column designation to the department table.

b. Insert values into the table.

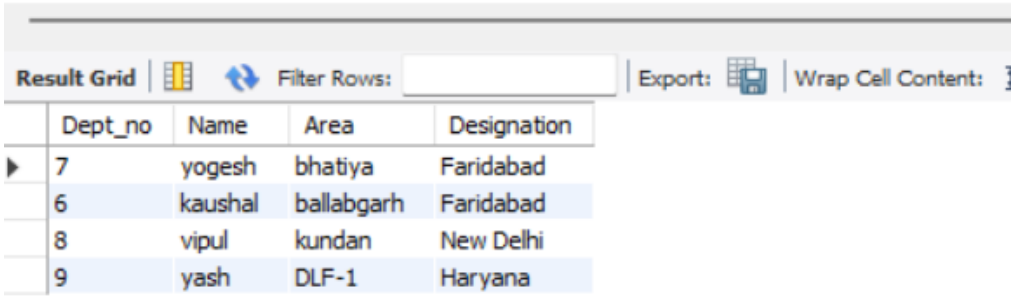
c. List the records of emp table grouped by deptno.

d. Update the record where deptno is 9.

e. Delete any column data from the table.

ANSWER

```
12 •    create table Department(Dept_no int, Name varchar(25), Area varchar(25));
13 •    insert into Department values(07, 'yogesh', 'bhatiya','Faridabad');
14 •     insert into Department values(06, 'kaushal', 'ballabgarh', 'Faridabad');
15 •   insert into Department values(08, 'vipul', 'kundan', 'New Delhi');
16 •    insert into Department values(09, 'yash', 'mujesar', 'Haryana');
17 •    insert into Department values(10, 'mayank', 'chawla', 'New Delhi');
18 •   alter table department add(Designation varchar(25));
19 •    select * from Department where dept_no=08;
20 •    Update department set area='DLF-1' where dept_no=09;
21 •   delete from department where dept_no =10;
22 •   select * from Department;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Dept_no	Name	Area	Designation
7	yogesh	bhatiya	Faridabad
6	kaushal	ballabgarh	Faridabad
8	vipul	kundan	New Delhi
9	yash	DLF-1	Haryana

QUESTION Q3. Create a table called sailor table.

a) Add column age to the sailor table

b) Insert values into the sailor table

c) Delete the row with rating >8

d) Update the column details of sailor

e) Insert null values into the table.

ANSWER

```
22    select * from  Department;*/
23 •   create table sailor(sid int, S_name varchar(30), rating int);
24 •   alter table sailor add(Age int);
25     insert into sailor values(1, 'Dev', 10, 20);
26 •   insert into sailor values(2, 'serena', 7, 18);
27 •   insert into sailor values(3, 'alice', 8, 19);
28 •   delete from sailor where rating>8;
29 •   update sailor set age =18 where rating =8;
30    insert into sailor values(4, 'kurumi', 8, null);
31 •  select * from sailor;
32
```

Result Grid | Filter Rows: | Exp

sid	S_name	rating	Age
2	serena	7	18
3	alice	8	18
4	Yash	8	NULL
4	kurumi	8	NULL
4	kurumi	8	NULL

QUESTIONQ4. Create a table called branch

a) Insert values into the branch table

b) Increase the size of data type for assets to the branch

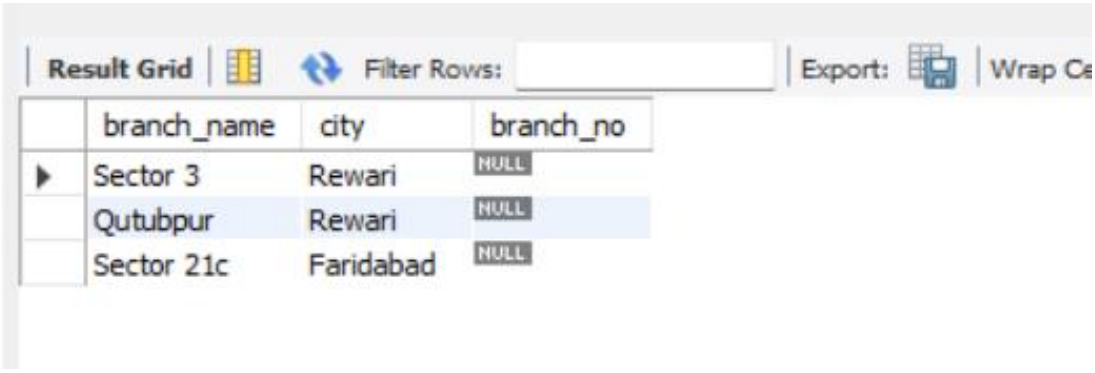
c) add and drop a column to the branch table.

d) Update the branch name column.

e) Delete any two columns fram the table.

ANSWER

```
31    * select * from sailor;*/
32 •   create table branch(branch_name varchar(30), city varchar(23),assets varchar(34));
33     insert into branch values('Sector 3', 'Rewari', 'Transport');
34 •   insert into branch values('Qutubpur', 'Rewari', 'Refreshment');
35 •   insert into branch values('Sector 21c', 'Faridabad', 'Budget');
36 •   alter table branch modify assets varchar(45);
37 •   alter table branch add(branch_no int);
38 •  alter table branch drop column assets;
39 •  select * from branch;
```



branch_name	city	branch_no
Sector 3	Rewari	NULL
Qutubpur	Rewari	NULL
Sector 21c	Faridabad	NULL

QUESTION 5 Create a table called customer table.

a. Insert records into the table.

b. Add a salary column to the table.

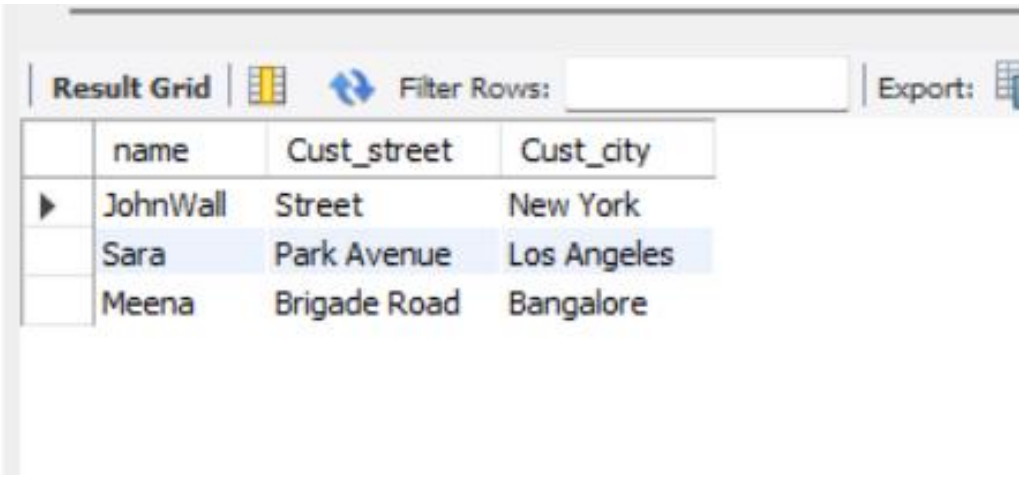
c. Alter the table column domain.

d. Drop salary column of the customer table.

e. Delete the rows of customer table whose cust city is 'hyd".

ANSWER

```
39    select * from branch;*/
40 •  create table Customer (name varchar(20), Cust_street varchar(20), Cust_city varchar(20));
41 •  insert into Customer values ('JohnWall', 'Street', 'New York');
42 •  insert into customer values('Ravi', 'MG Road, Mumbai');
43 •  insert into Customer values('Sara', 'Park Avenue', 'Los Angeles');
44 •  insert into Customer values('Meena', 'Brigade Road', 'Bangalore');
45 •  insert into Customer values('Kiran', 'Market Street', 'Hyderabad');
46 •  alter table Customer modify column Cust_street varchar(50);
47 •  alter table Customer drop column Salary;
48 •  delete from Customer where Cust_city = 'Hyderabad';
49 •  select * from Customer;
50
```



QUESTION Q6, create a tabled reserves table?

a.Insert values into the reserves table.

b. Add column time to the reserves table.

c. Alter the column day data type to DATE.

d. Drop the column time in the table.

e. Delete the row of the table with some condition.

ANSWER

```
50    CREATE TABLE reserves (Boat_id INTEGER, Sid INTEGER, day INTEGER);
51 •  INSERT INTO reserves (Boat_id, Sid, day) VALUES (101, 1, 12);
52 •  INSERT INTO reserves (Boat_id, Sid, day) VALUES (102, 2, 15);
53 •  ALTER TABLE reserves ADD time VARCHAR(20);
54 •  ALTER TABLE reserves MODIFY day DATE;
55 •  ALTER TABLE reserves DROP COLUMN time;
56 •  DELETE FROM reserves WHERE Boat_id = 101;
57
```