PROGRAM -1

Create table employee with following fields.

- Empno
- Job
- Salary
- Ename
- Deptno
- Experience

Perform following queries

- (a) Add a column Experience to employee table
- (b) Modify column width of Job field.
- (c) Drop column Experience from employee.

Insert values into employee and perfom following queries.

- (1) List records in employee table order by salary in ascending order.
- (2) Display only those employees whose Deptno is 29.
- (3) Display Deptno in employee avoiding duplicates.
- (4) Display all employees whose job title starts with M.
- (5) Find all employees who work in same job as Arjun.
- (6) Find total number of employee in employee table.
- (7) Find minimum and maximum salary of employees.

Source code

- create table employee(empno int,empname varchar(10),job varchar(10),salary int,deptno int);
- describe employee;

+		+ -		+		+ + -	 +	+	+	
			Туре					Default		
+		+ .		+		+ +	 +	+	+	
	empno		int(11)		YES			NULL		
	empname		varchar(10)		YES			NULL		
	job		varchar(10)		YES			NULL		
	salary		int(11)		YES			NULL		
	deptno		int(11)		YES			NULL		
+		+		+		+	 +	+	+	

(a) alter table employee add experience int;

Field	Туре	Null Key	Default Extra
empno empname job salary	int(11) varchar(10) varchar(10) int(11) int(11)	YES YES YES	NULL
+	-+	++	

(b) alter table employee modify job varchar(20);

Field	+	Nu	ıll İ	Key	Default	Extra
empno empname job salary deptno	int(11) varchar(10) varchar(20) int(11) int(11)	YE YE YE YE	S S S S		NULL NULL NULL NULL	

(c) alter table employee drop column experience;

+		-+	+
Field	Туре	Null Key	Default Extra
empno empname job salary deptno	<pre>int(11) varchar(10) varchar(20) int(11) int(11)</pre>	YES	NULL

> Insert values in to employee

insert into Employee(Emp_no,Emp_name,Salary,Deptno,Job)
Values(1,'Anu',25000,10,'Teacher');

1 row created.

insert into Employee(Emp_no,Emp_name,Salary,Deptno,Job)
Values(2,'Anoop',30000,11,'Manager');

1 row created.

insert into Employee(Emp_no,Emp_name,Salary,Deptno,Job)
Values(3,'Paul',20000,12,'Mechanic');

1 row created.

insert into Employee(Emp_no,Emp_name,Salary,Deptno,Job)
Values(4,'Arjun',25500,13,'Teacher');

1 row created.

++		+	+	++
	empname	job +		deptno
1 1 1 1 2 1 3 1	Anu Anoop Paul	Teacher Manager Mechanic Teacher	25000 30000	29 28 27

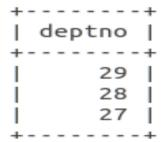
(1) select * from Employee order by Salary asc;

empno	empname	+ job +	salary	deptno
3 1 1 4	Paul Anu Arjun	Mechanic Teacher Teacher Manager	20000	27 29 29

(2) select * from employee where deptno=29;

empno empname	Ì	job	Ì	salary	Ì	deptno
1 Anu 4 Arjun		Teacher Teacher				29 29

(3) select distinct deptno from employee;



(4) select * from employee where job like "M%";

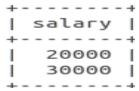
++			+
empno empname	job	salary deptno	o
++	_		
2 Anoop	Manager	30000 28	8
3 Paul	Mechanic	20000 21	7 j
+			+

(5) select empname from employee where job=(select job from employee where empname="Arjun");

```
+----+
| empname |
+----+
| Anu |
| Arjun |
```

(6) select count(empno) from employee;

(7)select salary from employee where salary=(select min(salary) from employee)union select salary from employee where salary =(select max(salary) from employee);



PROGRAM-2 Create table emp1 with fields empno,empname,job,dept. Insert 5 records (1) Display the content of the emp1 table in ascending of empno.

- (2) Display the content of emp1 table.
- (3) Display the half of bp of all employees.
- (4) List the names of employee whose name starts with character 'B'.
- (5) List the names of employee whose second character of names are either 'I' or 'U'.
- (6) Retrieve all information whose salary between 10,000 and 30,000.
- (7) Display the unique job from emp1 table.
- (8) List the name and salary of employee who earn salary between 5000 and 12,000 and are in dept 20 or 50. Table the column 26 employee name, month, salary respectively.
- (9) Display the name and job of all employee whose job is 'Clerk', 'Manager', 'Analyst'.(10) Display the employee in descending order of their bp

Source code

create table emp1(empno int,empname varchar(10),job varchar(20),bp int,dept varchar(10)); Query OK, 0 rows affected (0.27 sec)

describe emp1;

Field	Туре	Null Key	+ Default Extra +
empno empname job bp dept	int(11) varchar(10) varchar(20) int(11) varchar(10)	YES	NULL NULL NULL NULL NULL

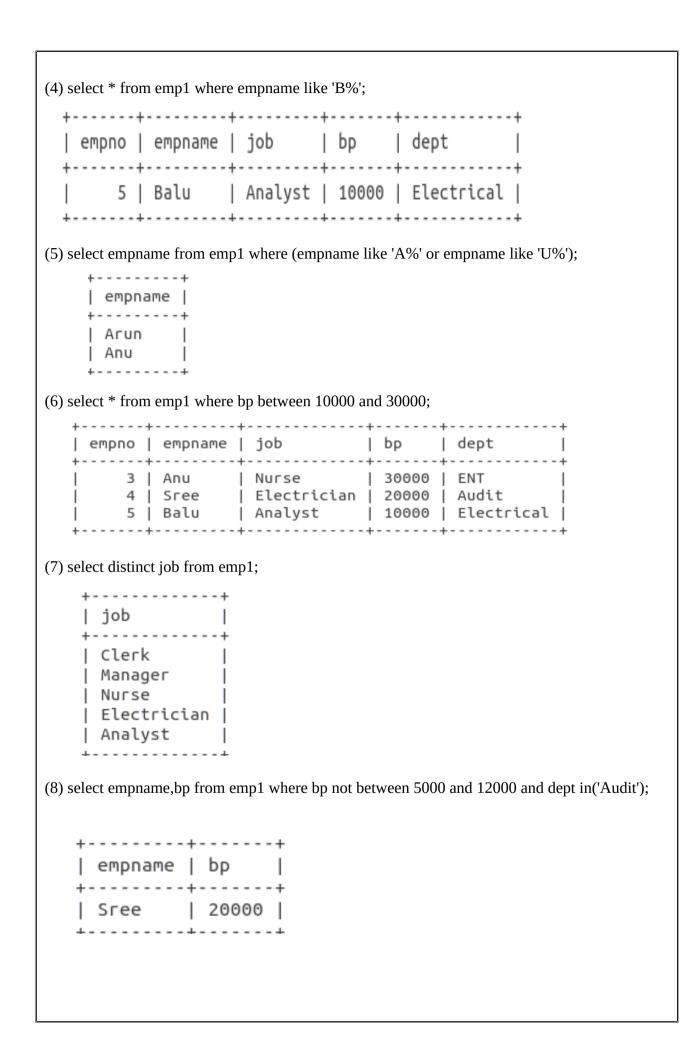
(1) select * from emp1 order by empno asc;

empno	empname	job		bp		dept	
2 3 4	Manu Anu Sree	Nurse Electrician	 	30000 20000		Production ENT	i I
++-	+ .		+ -		۰.		4

(2) select * from emp1;

Ì	empno	empname	+ job +	Ì	bp	ĺ	dept	ĺ
 	1 2 3 4 5	Arun Manu Anu Sree Balu	Clerk Manager	 	50000 50000 30000 20000 10000	 	KSEB Production ENT Audit Electrical	

(3) select bp/2 from emp1;



(9) select empname,job from emp1 where job in('Clerk','Manager','Analyst');

```
+ empname | job |

+ - - - - + - - - + |

| Arun | Clerk |

| Manu | Manager |

| Balu | Analyst |
```

(10) select * from emp1 order by bp desc;

empno	empname	job	İ	bp	dept
1 2 3 4 5	Arun Manu Anu Sree Balu	Clerk Manager Nurse Electrician Analyst	 	50000 50000 30000 20000 10000	KSEB Production ENT

PROGRAM-3	