

PROGRAM-2

1. List all distinct jobs in Employee.
2. List all information about employees in Department 30
3. Find all department numbers with department names greater than 20.
4. Find all information about managers as well as clerks in department 30.
5. List employee name, employee number and department of all clerks.
6. Find all managers not in department 30.
7. List information about employees in department 10 who are not managers or clerks.
8. Find employees and jobs earning between 1200 and 1400.
9. List name and department number of employees who are clerks, analyst or salesman.
10. List name and department number of employees whose names began with M.

QUERY:-

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT DISTINCT job  
-> FROM employee;  
+-----+  
| job   |  
+-----+  
| CLERK |  
| SALESMAN |  
| MANAGER |  
| ANALYST |  
| PRESIDENT |  
+-----+  
5 rows in set (0.025 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT *  
-> FROM employee  
-> WHERE deptno = 30;  
+-----+-----+-----+-----+-----+-----+-----+  
| empno | ename  | job      | mgr  | hiredate | sal  | comm | deptno |  
+-----+-----+-----+-----+-----+-----+-----+  
| 7499  | ALLEN  | SALESMAN | 7698 | 1981-02-20 | 1600 | 300  | 30 |  
| 7521  | WARD   | SALESMAN | 7698 | 1981-02-22 | 1250 | 300  | 30 |  
| 7654  | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250 | 1400 | 30 |  
| 7698  | BLAKE  | MANAGER  | 7839 | 1981-05-01 | 2850 | NULL  | 30 |  
| 7844  | TURNER | SALESMAN | 7698 | 1981-09-08 | 1500 | 0     | 30 |  
| 7900  | JAMES  | CLERK    | 7698 | 1981-12-03 | 950  | NULL  | 30 |  
+-----+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.010 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT deptno, dname  
-> FROM department  
-> WHERE deptno > 20;  
+-----+-----+  
| deptno | dname  |  
+-----+-----+  
| 30     | SALES  |  
| 40     | OPERATIONS |  
+-----+-----+  
2 rows in set (0.027 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT *
-> FROM employee
-> WHERE job IN ('MANAGER', 'CLERK')
-> AND deptno = 30;
```

empno	ename	job	mgr	hiredate	sal	comm	deptno
7698	BLAKE	MANAGER	7839	1981-05-01	2850	NULL	30
7900	JAMES	CLERK	7698	1981-12-03	950	NULL	30

2 rows in set (0.025 sec)

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename, empno, deptno
-> FROM employee
-> WHERE job = 'CLERK';
```

ename	empno	deptno
SMITH	7369	20
ADAMS	7876	20
JAMES	7900	30
MILLER	7934	10

4 rows in set (0.001 sec)

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT *
-> FROM employee
-> WHERE job = 'MANAGER'
-> AND deptno <> 30;
```

empno	ename	job	mgr	hiredate	sal	comm	deptno
7566	JONES	MANAGER	7839	1981-04-02	2975	NULL	20
7782	CLARK	MANAGER	7839	1981-06-09	2450	NULL	20

2 rows in set (0.026 sec)

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT *
-> FROM employee
-> WHERE deptno = 10
-> AND job NOT IN ('MANAGER', 'CLERK');
Empty set (0.025 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename, deptno
-> FROM employee
-> WHERE job IN ('CLERK', 'ANALYST', 'SALESMAN');
```

ename	deptno
SMITH	20
ALLEN	30
WARD	30
MARTIN	30
SCOTT	40
TURNER	30
ADAMS	20
JAMES	30
FORD	20
MILLER	10

10 rows in set (0.001 sec)

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename, deptno  
-> FROM employee  
-> WHERE ename LIKE 'M%';
```

```
+-----+-----+  
| ename | deptno |
```

```
+-----+-----+  
| MARTIN | 30 |  
| MILLER | 10 |
```

```
+-----+-----+
```

```
2 rows in set (0.001 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]>
```