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]>
```