

## PROGRAM 3

### RETRIEVING DATA – SET 2 (EMPLOYEE TABLE)

1. Employees & jobs in Dept 30, ordered by salary (DESC)
2. Job & DeptNo of employees
3. Names of employees starting with S
4. Names of employees ending with S
5. Employees working in Dept 10 / 20 / 40
6. Employee number & name of employees who earn commission
7. Employee number & total salary for each employee
8. Employee number & annual salary
9. Employees who are clerks earning > 3000
10. Employees who are clerk / salesman / analyst and earning > 3000

QUERY:-

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename, job
    -> FROM employee
    -> WHERE deptno = 30
    -> ORDER BY sal DESC;
+-----+-----+
| ename | job   |
+-----+-----+
| BLAKE | MANAGER
| ALLEN | SALESMAN
| TURNER | SALESMAN
| WARD | SALESMAN
| MARTIN | SALESMAN
| JAMES | CLERK
+-----+-----+
6 rows in set (0.090 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT job, deptno
    -> FROM employee
    -> WHERE ename LIKE 'A___N';
+-----+-----+
| job     | deptno |
+-----+-----+
| SALESMAN |      30 |
+-----+-----+
1 row in set (0.004 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename
    -> FROM employee
    -> WHERE ename LIKE 'S%';
+-----+
| ename |
+-----+
| SMITH |
| SCOTT |
+-----+
2 rows in set (0.001 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename
    -> FROM employee
    -> WHERE ename LIKE '%S';
+-----+
| ename |
+-----+
| JONES |
| ADAMS |
| JAMES |
+-----+
3 rows in set (0.029 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename
    -> FROM employee
    -> WHERE deptno IN (10, 20, 40)
    ->     OR job IN ('CLERK', 'SALESMAN', 'ANALYST');
+-----+
| ename |
+-----+
| SMITH |
| ALLEN |
| WARD |
| JONES |
| MARTIN |
| CLARK |
| SCOTT |
| KING |
| TURNER |
| ADAMS |
| JAMES |
| FORD |
| MILLER |
+-----+
13 rows in set (0.013 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT empno, ename
    -> FROM employee
    -> WHERE comm IS NOT NULL;
+-----+
| empno | ename   |
+-----+
| 7499  | ALLEN   |
| 7521  | WARD     |
| 7654  | MARTIN   |
| 7844  | TURNER   |
+-----+
4 rows in set (0.001 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT empno,
    ->           sal + IFNULL(comm, 0) AS total_salary
    -> FROM employee;
+-----+
| empno | total_salary |
+-----+
| 7369  |      800  |
| 7499  |     1900  |
| 7521  |     1550  |
| 7566  |     2975  |
| 7654  |     2650  |
| 7698  |     2850  |
| 7782  |     2450  |
| 7788  |     3000  |
| 7839  |     5000  |
| 7844  |     1500  |
| 7876  |     1100  |
| 7900  |      950  |
| 7902  |     3000  |
| 7934  |     1300  |
+-----+
14 rows in set (0.013 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT empno, sal * 12 AS annual_salary
-> FROM employee;
+-----+
| empno | annual_salary |
+-----+
| 7369 |      9600 |
| 7499 |     19200 |
| 7521 |     15000 |
| 7566 |     35700 |
| 7654 |     15000 |
| 7698 |     34200 |
| 7782 |     29400 |
| 7788 |     36000 |
| 7839 |     60000 |
| 7844 |     18000 |
| 7876 |     13200 |
| 7900 |     11400 |
| 7902 |     36000 |
| 7934 |     15600 |
+-----+
14 rows in set (0.001 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename
-> FROM employee
-> WHERE job = 'CLERK'
-> AND sal > 3000;
Empty set (0.008 sec)
```

```
MariaDB [VARUN_SINGH_2CSE9]> SELECT ename
-> FROM employee
-> WHERE job IN ('CLERK', 'SALESMAN', 'ANALYST')
-> AND sal > 3000;
Empty set (0.002 sec)
```