

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)
```