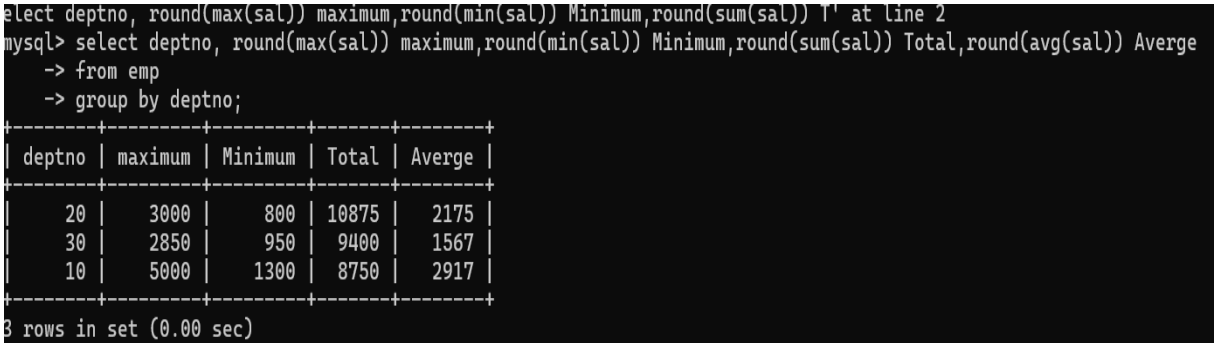
Group functions

6. Display the Highest, Lowest, Total & Average salary of all employee. Label the columns Maximum, Minimum, Total and Average respectively for each Department. Also round the result to the nearest whole number.



```
elect deptno, round(max(sal)) maximum,round(min(sal)) Minimum,round(sum(sal)) T' at line 2
mysql> select deptno, round(max(sal)) maximum,round(min(sal)) Minimum,round(sum(sal)) Total,round(avg(sal)) Averge
    -> from emp
    -> group by deptno;
+--------+---------+---------+-------+--------+
| deptno | maximum | Minimum | Total | Averge |
+--------+---------+---------+-------+--------+
|     20 |    3000 |     800 | 10875 |   2175 |
|     30 |    2850 |     950 |  9400 |   1567 |
|     10 |    5000 |    1300 |  8750 |   2917 |
+--------+---------+---------+-------+--------+
3 rows in set (0.00 sec)
```

7. Display Department no and number of managers working in that department. Label the column as ‘Total Number of Managers’ for each department.

```
mysql> select deptno ,job, count(*) 'total_no_Manager' from emp where job='Manager' group by deptno order by deptno;
+--------+---------+-----------------+
| deptno | job     | total_no_Manager |
+--------+---------+-----------------+
|     10 | MANAGER |               1 |
|     20 | MANAGER |               1 |
|     30 | MANAGER |               1 |
+--------+---------+-----------------+
3 rows in set (0.00 sec)
```

8. Get the Department number, and sum of Salary of all non managers where the sum is greater than 20000.

```
mysql> select deptno ,sum(sal) from emp where job != 'manager' group by deptno;
+--------+----------+
| deptno | sum(sal) |
+--------+----------+
|     20 |  7900.00 |
|     30 |  6550.00 |
|     10 |  6300.00 |
+--------+----------+
3 rows in set (0.01 sec)

mysql> select deptno ,sum(sal) from emp where job != 'manager' group by deptno having sum(sal)> 7000;
+--------+----------+
| deptno | sum(sal) |
+--------+----------+
|     20 |  7900.00 |
+--------+----------+
1 row in set (0.01 sec)
```