Exercise 7–Multiple Row Functions

1. Find the highest, lowest, sum and average salary of all employees. Label the columns as ‘Maximum’, ‘Minimum’, ‘Sum’ and ‘Average’, respectively. Round the results to the nearest whole number.

```
   Maximum    Minimum        Sum    Average
---------- ---------- ---------- ----------
     24000       2600     216700       9850
```

```
select max(salary) as "Maximum", min(salary) as "Minimum", sum(salary) as "Sum", avg(salary) as "Average"
 from employees;
```

2. Modify the query in Question 7 to display the maximum, minimum, sum and average salary for each job type.

```
JOB_ID        Maximum    Minimum        Sum    Average
---------- ---------- ---------- ---------- ----------
IT_PROG          9000       4200      19200       6400
AC_MGR          12000      12000      12000      12000
..._
ST_CLERK         2600       2600       2600       2600
HR_REP           6500       6500       6500       6500
15 rows selected.
```

```
select job_id, max(salary) as "Maximum", min(salary) as "Minimum", sum(salary) as "Sum", avg(salary) as "Average"
from employees
group by job_id;
```

3. Write a query to display the number of people with the same job.

```
JOB_ID       COUNT(*)
---------- ----------
IT_PROG             3
AC_MGR              1
...
ST_CLERK            1
HR_REP              1

15 rows selected.
```

```
select job_id, count(*)
from employees
group by job_id;
```

4. Modify the query in Question 7 and show only the IT_PROG record.

```
JOB_ID       COUNT(*)
---------- ----------
IT_PROG             3
```