1. What is the average salary of each employee?

```
SELECT CONCAT(first_name, ' ', last_name) AS Fullname,AVG(salary) AS Av_Salary
FROM salaries,employees
WHERE salaries.emp_no = employees.emp_no
GROUP BY salaries.emp_no;
```

```
| Gino Usery                    |  99940.8333 |
| Yunming Mitina                |  53637.1667 |
| Mohammed Pleszkun             |  39829.5000 |
| Uri Juneja                    |  46269.7500 |
| Kaijung Rodham                |  54431.2143 |
| Gila Lukaszewicz              |  43500.6667 |
| Nathan Ranta                  | 105961.7059 |
| Rimli Dusink                  |  54279.6667 |
| Bangqing Kleiser              |  86700.7143 |
| Keiichiro Lindqvist           |  68260.4000 |
| Khaled Kohling                |  43325.0000 |
| Pohua Sichman                 |  47829.5000 |
| Siamak Salverda               |  64179.7500 |
| DeForest Mullainathan         |  40944.6667 |
| Navin Argence                 |  40000.0000 |
| Dekang Lichtner               |  45891.6667 |
| Zito Baaz                     |  63134.1429 |
| Berhard Lenart                |  66475.8667 |
| Patricia Breugel              |  46665.5556 |
| Sachin Tsukuda                |  70625.0000 |
+-------------------------------+-------------+
300024 rows in set (11.38 sec)
```

2. How much was each employee paid in total?

```
SELECT CONCAT(first_name, ' ', last_name) AS Fullname,SUM(salary) AS Total_Salary
FROM salaries,employees
WHERE salaries.emp_no = employees.emp_no
GROUP BY salaries.emp_no;
```

```
| Kaijung Rodham                |      762037 |
| Gila Lukaszewicz              |      261004 |
| Nathan Ranta                  |     1801349 |
| Rimli Dusink                  |      162839 |
| Bangqing Kleiser              |     1213810 |
| Keiichiro Lindqvist           |      341302 |
| Khaled Kohling                |      129975 |
| Pohua Sichman                 |      286977 |
```

```
| Siamak Salverda          |       1026876 |
| DeForest Mullainathan    |        245668 |
| Navin Argence            |         40000 |
| Dekang Lichtner          |        275350 |
| Zito Baaz                |        441939 |
| Berhard Lenart           |        997138 |
| Patricia Breugel         |        419990 |
| Sachin Tsukuda           |        353125 |
+--------------------------+---------------+
300024 rows in set (9.98 sec)
```

3. Minimum, maximum and total salaries of each department

```
SELECT
dept_name,MIN(salary) AS Min_Sal,MAX(salary) AS Max_Sal,SUM(salary) AS Total_Sal
FROM salaries,dept_emp,departments
WHERE salaries.emp_no = dept_emp.emp_no
AND
dept_emp.dept_no = departments.dept_no
GROUP BY departments.dept_no;
```

```
+--------------------------+---------+---------+-------------+
| dept_name                | Min_Sal | Max_Sal | Total_Sal   |
+--------------------------+---------+---------+-------------+
| Finance                  |   38812 |  142395 | 11650834677 |
| Human Resources          |   38735 |  141953 |  9363811425 |
| Production               |   38623 |  138273 | 41554438942 |
| Quality Management       |   38786 |  132103 | 10865203635 |
| Customer Service         |   38836 |  144866 | 13143639841 |
| Research and Development |   38849 |  144434 | 57200885924 |
| Marketing and Sales      |   39127 |  158220 | 51054820927 |
+--------------------------+---------+---------+-------------+
7 rows in set (4.13 sec)
```

4. Which departments have paid more than 20 billion dollars for their employees?

```
SELECT dept_name,SUM(salary) AS Total_Sal
FROM salaries,dept_emp,departments
WHERE salaries.emp_no = dept_emp.emp_no
AND
dept_emp.dept_no = departments.dept_no
GROUP BY departments.dept_no
HAVING Total_Sal > 20000000000;
```

```
+-------------------------+-------------+
| dept_name               | Total_Sal   |
+-------------------------+-------------+
| Production              | 41554438942 |
| Research and Development | 57200885924 |
| Marketing and Sales     | 51054820927 |
+-------------------------+-------------+
3 rows in set (3.47 sec)
```

5. Total salaries of male employees in each department?

```
SELECT dept_name,SUM(salary) AS Total_Salary
FROM salaries,employees,dept_emp,departments
WHERE salaries.emp_no = employees.emp_no
AND
employees.emp_no = dept_emp.emp_no
AND
dept_emp.dept_no = departments.dept_no
AND
employees.gender='M'
GROUP BY departments.dept_no;
```

```
+-------------------------+--------------+
| dept_name               | Total_Salary |
+-------------------------+--------------+
| Finance                 |   6940675318 |
| Human Resources         |   5619533959 |
| Production              |  24873889749 |
| Quality Management      |   6472073211 |
| Customer Service        |   7865587983 |
| Research and Development |  34387010200 |
| Marketing and Sales     |  30754859529 |
+-------------------------+--------------+
7 rows in set (2.86 sec)
```

6. Total salaries of department managers for each department, from highest to lowest?

```
SELECT dept_name,SUM(salary) AS Total_Salary
FROM salaries,employees,dept_manager,departments
WHERE salaries.emp_no = employees.emp_no
AND
employees.emp_no = dept_manager.emp_no
AND
dept_manager.dept_no = departments.dept_no
GROUP BY dept_manager.dept_no;
```

```
+-------------------------+--------------+
| dept_name               | Total_Salary |
+-------------------------+--------------+
| Finance                 |      2549372 |
| Human Resources         |      2098298 |
| Production              |      3374004 |
| Quality Management       |      4162118 |
| Customer Service        |      3187661 |
| Research and Development |      4587037 |
| Marketing and Sales     |      6008127 |
+-------------------------+--------------+
7 rows in set (0.00 sec)
```