1. **Query:**

   SELECT COUNT(*) AS total_employees

   FROM employees;

   Output:

Total_employees
10

2. **Query:**

   SELECT SUM(salary) AS total_it_salary

   FROM employees

   WHERE department = 'IT';

   Output:

Total_it_salary
220000

3. **Query:**

   SELECT AVG(salary) AS avg_hr_salary

   FROM employees

   WHERE department = 'HR';

   Output:

Avg_hr_salary
49500

4. **Query:**

   SELECT

   MIN(salary) AS lowest_salary,

   MAX(salary) AS highest_salary

   FROM employees;

   Output:

Lowest_salary	Highest_salary
48000	62000

5. **Query:**

   SELECT department,

   SUM(salary) AS total_salary

   FROM employees

   GROUP BY department;

   Output:

Department	Total_salary
IT	220000
HR	99000
Finance	119000
Marketing	105000

6. **Query:**

   SELECT city,

   COUNT(*) AS total_employees

   FROM employees

   GROUP BY city;

   Output:

City	Total_employees
New York	2
Chicago	3
Los Angeles	2
San Francisco	2
Houston	1

7. **Query:**

   SELECT department,

   AVG(salary) AS avg_salary

   FROM employees

   GROUP BY department

   ORDER BY avg_salary DESC;

Output:

Department	Avg_salary
Finance	59500
IT	55000
Marketing	52500
HR	49500

8. **Query:**

```
SELECT department,
SUM(salary) AS total_salary
FROM employees
GROUP BY department
HAVING SUM(salary) > 100000;
```

Output:

Department	Total_salary
IT	220000
Finance	119000
Marketing	105000

9. **Query:**

```
SELECT city,
COUNT(*) AS employee_count
FROM employees
GROUP BY city
HAVING COUNT(*) > 1
ORDER BY employee_count DESC;
```

Output:

City	Employee_count
Chicago	3
New York	2
Los Angeles	2
San Francisco	2

10. **Query:**

```
SELECT department,
AVG(salary) AS avg_salary
FROM employees
GROUP BY department
ORDER BY avg_salary DESC LIMIT 1;
```

Output:

Department	Avg_salary
Finance	59500