

Day 10



Company: Salesforce

Average Salaries

Compare each employee's salary with the average salary of the corresponding department.

Output the department, first name, and salary of employees along with the average salary of that department.

```
SELECT
    first_name,
    department,
    salary,
    avg(salary) OVER (PARTITION by department) as avg_salary
FROM employee;
```

Not Referred Employees

Find employees that are not referred by the manager id 1.

Output the first name of the employee.

```
SELECT
    first_name
FROM employee
WHERE manager_id != 1 OR NULL;
```

Sales Dept Salaries

Find employees in the Sales department who achieved a target greater than 150.

Output first names of employees.

Sort records by the first name in descending order.

```
SELECT first_name
FROM employee
WHERE target > 150 AND department = "sales"
ORDER BY
    first_name desc;
```

Departments With 5 Employees

Find departments with at more than or equal 5 employees.

```
select department
from employee
group by department
having count(distinct id) >= 5;
```

Number of Employees Per Department

Find the number of employees in each department.

Output the department name along with the corresponding number of employees.
Sort records based on the number of employees in descending order.

```
select department, count(distinct id) as num_emp from employee
group by department
order by num_emp desc;
```

Monthly Active Users

Find the monthly active users for January 2021 for each account. Your output should have account_id and the monthly count for that account.

```
SELECT account_id, count(distinct user_id)
FROM sf_events
WHERE month(date) = 01 and year(date) = 2021
GROUP BY
    account_id
```