CREATE TABLE Employee (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

department VARCHAR(50),

salary INT,

hire\_date DATE,

position VARCHAR(50)

);

INSERT INTO Employee (employee\_id, first\_name, last\_name, department, salary, hire\_date, position)

VALUES

(1, 'John', 'Doe', 'IT', 60000, '2021-05-15', 'Software Engineer'),

(2, 'Jane', 'Smith', 'HR', 55000, '2020-03-10', 'HR specialist'),

(3, 'Alex', 'Johnson', 'IT', 70000, '2019-09-22', 'Devops engg'),

(4, 'Emily', 'Davis', 'Finance', 80000, '2021-02-18', 'Analyst'),

(5, 'David', 'Duck', 'IT', 40000, '2020-06-05', 'Software Engineer'),

(6, 'Don', 'Dev', 'Finance', 90000, '2019-08-03', 'Developer');

**1. Select All Data from Employee Table:**

SQL

SELECT \* FROM Employee;

**2. Select Employees in a Specific Department of IT:**

SQL

SELECT \* FROM Employee WHERE department = 'IT';

**3. Count the Number of Employees in Each Department:**

SQL

SELECT department, COUNT(\*) AS employee\_count

FROM Employee

GROUP BY department;

**4. Find the Average Salary in Each Department:**

SQL

SELECT department, AVG(salary) AS average\_salary

FROM Employee

GROUP BY department;

**5. List Employees Hired After a 1 February 2021:**

SQL

SELECT \* FROM Employee WHERE hire\_date > '2021-02-01';

**6. Increase the salary of an Employees of IT department by 5000:**

SQL

UPDATE Employee

SET salary = salary + 5000

WHERE department = 'IT';

**7. Find the highest salary in each department:**

SQL

SELECT department, MAX(salary) AS highest\_salary

FROM Employee

GROUP BY department;

**8. Count the Number of Employees in Each Department Having More Than 1 Employee:**

SQL

SELECT department, COUNT(\*) AS employee\_count

FROM Employee

GROUP BY department

HAVING COUNT(\*) > 1;

**9. Find the employee having Highest / Lowest salary:**

SQL

-- Highest Salary

SELECT \* FROM Employee ORDER BY salary DESC LIMIT 1;

-- Lowest Salary

SELECT \* FROM Employee ORDER BY salary ASC LIMIT 1;

**10. Delete an Employee Record having last name=Dev:**

SQL

DELETE FROM Employee WHERE last\_name = 'Dev';

Remember to execute these queries in a MySQL environment to get the desired results.