01. Creating a database named "xyzcorp"

    CREATE DATABASE xyzcorp;

02. Creating a table of employee:

    CREATE TABLE employees (

      id INT *PRIMARY KEY*,

      name VARCHAR(50),

      age INT,

      salary DECIMAL(10, 2),

      department\_id INT

    );

03. To select all columns and rows from the employees table.

    SELECT \* FROM employees;

04. To select only the name and salary columns of all employees with a salary greater than 50000.

    SELECT name, salary FROM employees WHERE salary > 50000;

05. to calculate the average salary of all employees.

    SELECT AVG(salary) AS average\_salary FROM employees;

06. to count the number of employees who work in the "Marketing" department.

    SELECT COUNT(\*) AS num\_employees FROM employees WHERE department = 'Marketing';

07. to update the salary column of the employee with an id of 1001 to 60000.

    UPDATE employees SET salary = 60000 WHERE id = 1001;

08. to delete all employees whose salary is less than 30000.

    DELETE FROM employees WHERE salary < 30000;

09. Creating a table of departments:

    CREATE TABLE departments (

      id INT *PRIMARY KEY*,

      name VARCHAR(50),

      manager VARCHAR(50)

    );

10. To select all columns and rows from the departments table:

    SELECT \* FROM departments;

11. To select only the name and manager columns of the "Finance" department:

    SELECT name, manager FROM departments WHERE name = 'Finance';

12. To calculate the total number of employees in each department:

    SELECT department, COUNT(\*) AS num\_employees FROM employees GROUP BY department;

13. To insert a new department called "Research" with a manager named "John Doe":

    INSERT INTO departments (name, manager) VALUES ('Research', 'John Doe');