Q.1) Write an SQL query to create a database named CompanyDB.

Ans.) CREATE DATABASE company\_db;

Q.2) Inside CompanyDB, create a table named Employees with the following columns:

• EmployeeID (Integer, Primary Key)

• FirstName (VARCHAR of length 30)

• LastName (VARCHAR of length 30)

• Salary (DECIMAL (10,2))

• HireDate (DATE)

• Department (VARCHAR of length 20)

Ans.) CREATE TABLE employee

(EmployeeID int, FirstName varchar (30),

LastName varchar (30), Salary decimal (10,2),

HireDate, Department varchar (20));

Q.3) 3. Write an SQL query to insert these records to Employees table:

(1, 'Monika', 'Arora', 100000, '2021-02-20', 'HR'),

(2, 'Niharika', 'Verma', 80000, '2021-06-11', 'Admin'),

(3, 'Vishal', 'Singhal', 300000, '2021-02-20', 'HR'),

(4, 'Amitabh', 'Singh', 500000, '2021-02-20', 'Admin'),

(5, 'Vivek', 'Bhati', 500000, '2021-06-11', 'Admin'),

(6, 'Vipul', 'Diwan', 200000, '2021-06-11', 'Account'),

(7, 'Satish', 'Kumar', 75000, '2021-01-20', 'Account'),

(8, 'Geetika', 'Chauhan', 90000, '2021-04-11', 'Admin');

Ans.) INSERT INTO employee (EmployeeID, FirstName, LastName, Salary, HireDate, Department)

VALUES(1, 'Monika', 'Arora', 100000, '2021-02-20', 'HR'),

(2, 'Niharika', 'Verma', 80000, '2021-06-11', 'Admin'),

(3, 'Vishal', 'Singhal', 300000, '2021-02-20', 'HR'), (4, 'Amitabh', 'Singh', 500000, '2021-02-20', 'Admin'),

(5, 'Vivek', 'Bhati', 500000, '2021-06-11', 'Admin'),

(6, 'Vipul', 'Diwan', 200000, '2021-06-11', 'Account'), (7, 'Satish', 'Kumar', 75000, '2021-01-20', 'Account'),

(8, 'Geetika', 'Chauhan', 90000, '2021-04-11', 'Admin');

Q.4) Write an SQL query to insert a new record into the Employees table with the following details: EmployeeID: 9, FirstName: "John", LastName: "Doe", Salary: 45000.00, HireDate:"2024-01-15", Department: "Account".

Ans.) INSERT INTO employee (EmployeeID, FirstName, LastName, Salary, HireDate, Department)

VALUES (9,'John','Doe',45000,'2024-01-15','Account');

Q.5) Write an SQL query to insert these multiple records at once into the Employees table.

(10, 'Jane', 'Smith', 48000.00, '2023-11-05', 'IT'),

(11, 'Alice', 'Johnson', 55000.00, '2022-06-20', 'IT'),

(12, 'Bob', 'Brown', 47000.00, '2021-09-12', 'HR');

Ans.) INSERT INTO employee (EmployeeID, FirstName, LastName, Salary, HireDate, Department)

VALUES (10, 'Jane', 'Smith', 48000.00, '2023-11-05', 'IT'),

(11, 'Alice', 'Johnson' , 55000.00, '2022-06-20', 'IT'),

(12, 'Bob', 'Brown', 47000.00, '2021-09-12', 'HR');

Q.6) Write an SQL query to insert a new employee but only provide values for EmployeeID,

FirstName, LastName, and Salary.

Ans.) INSERT INTO employee (EmployeeID, FirstName, LastName, Salary, HireDate, Department)

VALUES (13, 'Kaishav', 'Gupta', 128000.00, '2023-09-30', 'Software Engineer');

Q.7) Write an SQL query to Increase the salary of all employees by 10%.

Ans.) SELECT EmployeeID, CONCAT (FirstName, ' ', LastName) as "Employee Name", Salary as "Old Salary", 10\*Salary/100 as "Salary Incremented" FROM employee;

Q.8) Write an SQL query to Change the department of an employee whose EmployeeID is 5 to

"Account".

Ans.) DELETE FROM employee WHERE EmployeeID=5;

Q.9) Write an SQL query to remove an employee from the Employees table whose EmployeeID is 10.

Ans.) DELETE FROM employee WHERE EmployeeID=10;

Q.10) Write an SQL query to delete all employees from the Employees table who were hired before

"2022-01-01".

Ans.) DELETE FROM employee WHERE HireDate<'2022-01-01';

Q.11) Write an SQL query to Remove all records from the Employees table but keep the table

structure intact. (using Delete)

Ans.) DELETE FROM employee;

Q.12) Write an SQL query to delete the Employees table.

Ans.) DROP TABLE employee;