

Lab 04

1.

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CREATE DATABASE The_Office;
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```
CREATE TABLE Employee (  
  Emp_ID char(4),  
  Name varchar(50),  
  Age int,  
  Role varchar(30),  
  Salary int,  
  Joining_Date date);
```

2.

```
INSERT INTO Employee VALUES  
("E001", "Michael Scott", 40, "Manager", 100000, "1999-09-20"),  
( "E002", "Jim Harper", 30, "Sales Executive", 60000, "2004-09-30"),  
("E003", "Pam Beesly", 28, "Receptionist", 25000, "2003-09-30" ),  
("E004", "Angela Martin", 33, "Accountant", 65000, "2005-09-28" ),  
("E005", "Dwight Shrute", 32, "Assistant Manager", 60000, "2003-09-30" ),  
("E006", "Kelly Kapoor", 29, "Marketing Executive", 45000, "2003-09-30" ),  
("E007", "Andrew Bernard", 30, "Sales Executive", 50000, "2007-05-10" ),  
("E008", "Kevin Malone", 28, "Accountant", 60000, "2004-10-30" ),  
("E009", "Toby Flender", 35, "HR Manager", 70000, "2004-09-30" ),  
("E010", "Phyllis Vance", 40, "Sales Executive", 61000, "1999-09-20" ),  
("E011", "Creed Bratton", 50, "Sales Executive", 80000, "1980-06-01");
```

3.

Complete all tasks below:

- Find the name and role of employees whose name starts with "a" or ends with "e"
- Find the details of Employees who have salary between 40000 and 60000
- Find the details of employees who have joined before the year 2000.
- There will be 5% raise in salary for all sales executives, as they have done an excellent job last year. Update the table with the new raised salary. Check if the salary was updated.
- Michael Scott will get a bonus of 20% on his salary for excellent leadership initiatives in last year. Calculate his bonus and use alias ("Michael_Bonus") for the column header.
[Note: You should not update his salary. Only show the bonus]
- Show the details of all employees according to their salary sorted from higher to lower.

- g. Show the details of all employees according to their age sorted from lower to higher.
- h. Show details of employees whose age is more than 35 and who joined before 2003.
- i. Turns out Creed Bratton has been lying about his age, he is actually 80 years old. So he should retire. Delete him from the table.
- j. Find the details of employees who have the word "executive" in their role.
- k. Change the attribute "Name" to "Employee_Name"
- l. Add attribute "Bonus" to the employee table.
- m. Delete attribute "Bonus" from the table.
- n. List the names of different job roles in the office. There should not be any repetition in your list.