

CS232L - DATABASE MANAGEMENT SYSTEMS LAB

Data science

lab 09

Date: 22-04-2025

Task:

Create the following table and insert values

EMPLOYEES (Employee_id Primary key, Department_name varchar, Employee_name varchar, Salary numeric)

Insert following values:

1, IT, Alex, 123400

2, Finance, Marrie, 24354.67

3, Marketing, quinn, 325465

4, IT, redoff, 56876

Perform the following query operations on the above table:

1. Create a trigger that will insert the values in another table **Employees_registered**.
2. Create a view that will merge all of the column's data in a single using string_agg and display result whenever view is called.
3. Create indexes on all of the columns of the table order in desc order.
4. Rename the index created in 3.
5. Insert a new row in Employees table and check the difference in execution time after indexing.
6. Run the view query created in 2 to check the difference in execution time after indexing.