**Database and Management System Lab**

**Lab Experiment – 10**

Name: Amartya Sharma

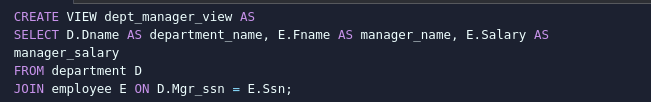
Roll No: R2142230027

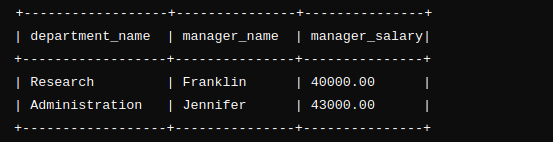
Sap\_ID: 500119407

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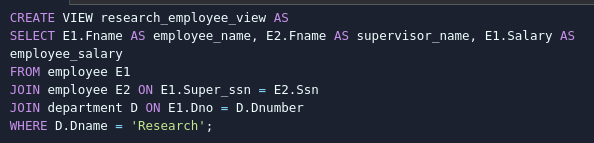
**Title: Create the following views in SQL on the COMPANY database schema presented in Experiment 2**

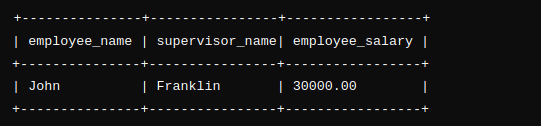
**1. A view that has the department name, manager name, and manager salary for every department.**

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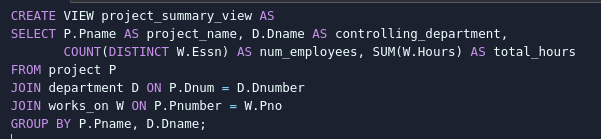
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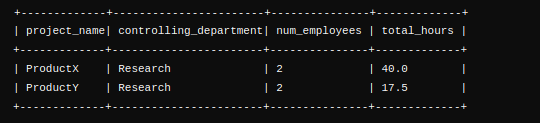
**2. A view that has the employee name, supervisor name, and employee salary for each employee who works in the ‘Research’ department**

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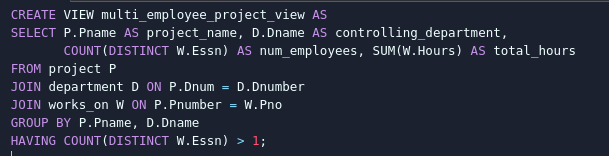
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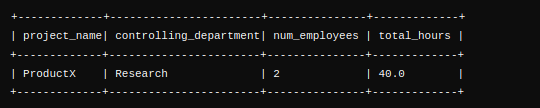
**3. A view that has the project name, controlling department name, number of employees, and total hours worked per week on the project for each project.**

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**4. A view that has the project name, controlling department name, number of employees, and total hours worked per week on the project for each project with more than one employee working on it.**

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**Database and Management System Lab**

**Lab Experiment – 11**

Name: Shubhojit Mitra

Roll No: R2142230793

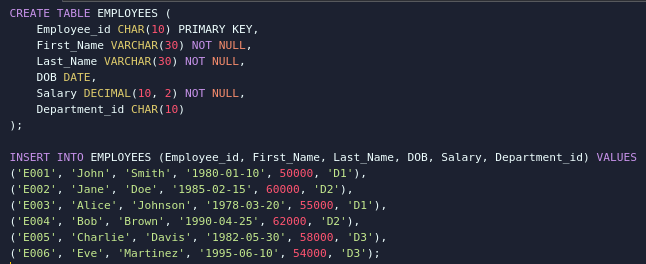
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**Title: To understand the concepts of Index.**

**Objective:** Students will be able to implement the concept of index

**1. Create EMPLOYEES Table and Insert Sample Data**

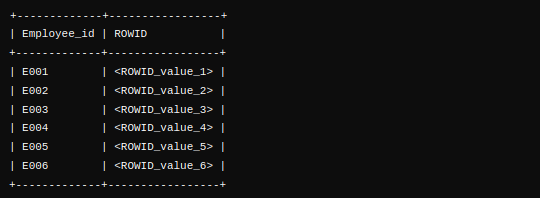
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**2. Create an Index on Last\_Name and Department\_id**

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**3. Find the ROWID and Create a Unique Index on Employee\_id**

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**4. Create a Reverse Index on Employee\_id**

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**5. Create a Unique Composite Index on Employee\_id to Check Duplicates**

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**6. Create Function-Based Index for Case-Insensitive Search on Last\_Name**

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**7. Drop the Function-Based Index on Last\_Name**

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