



Faculty of Technology and Engineering

Chandubhai S. Patel Institute of Technology (CSPIT)

Department of Computer Science & Engineering

Date: / /

Laboratory Manual

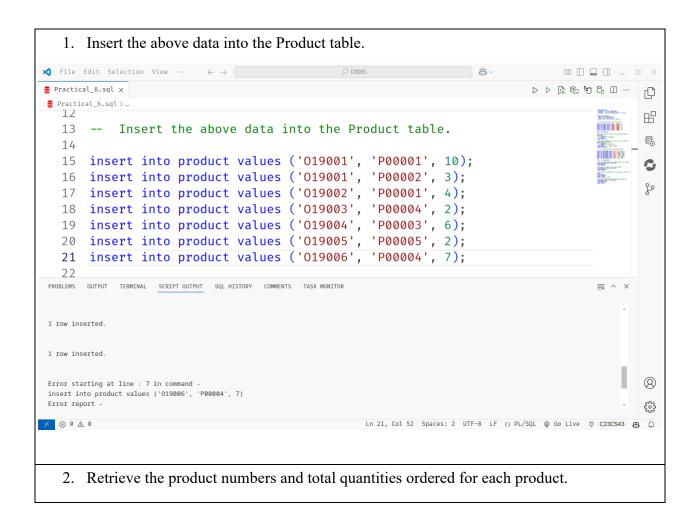
Academic Year	:	2024-25	Semester	:	4
Course code	:	CSE206	Course name	:	DATABASE MANAGEMENT SYSTEM

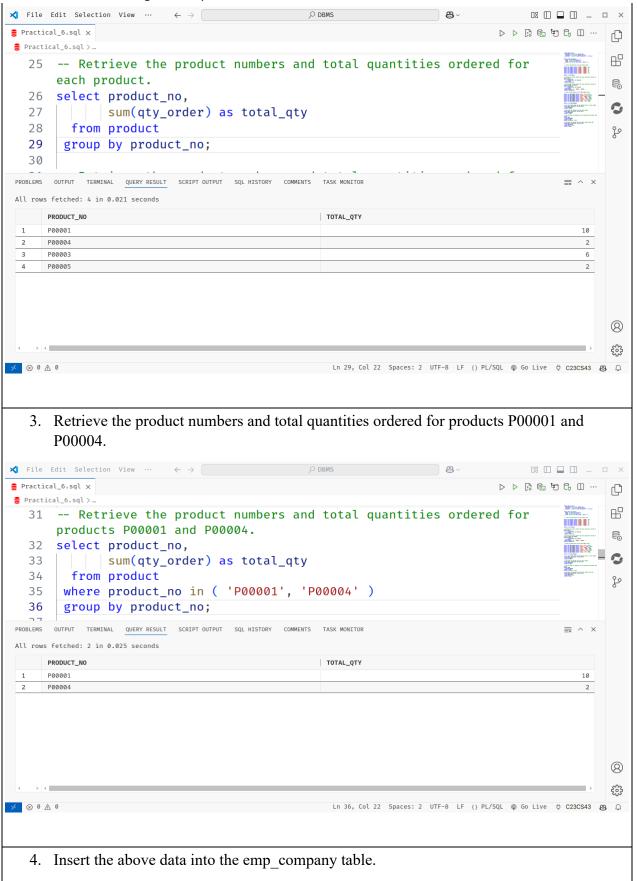
Practical - 6

AIM: You are a database administrator for a manufacturing and consulting company. The company maintains two primary tables: Product and Employee Company (emp_company). You are tasked with solving business queries related to order quantities, employee salaries, and company analysis using SQL grouping and aggregate functions. To manipulate and retrieve meaningful insights using grouping and aggregate functions in SQL while adhering to database constraints and integrity rules.

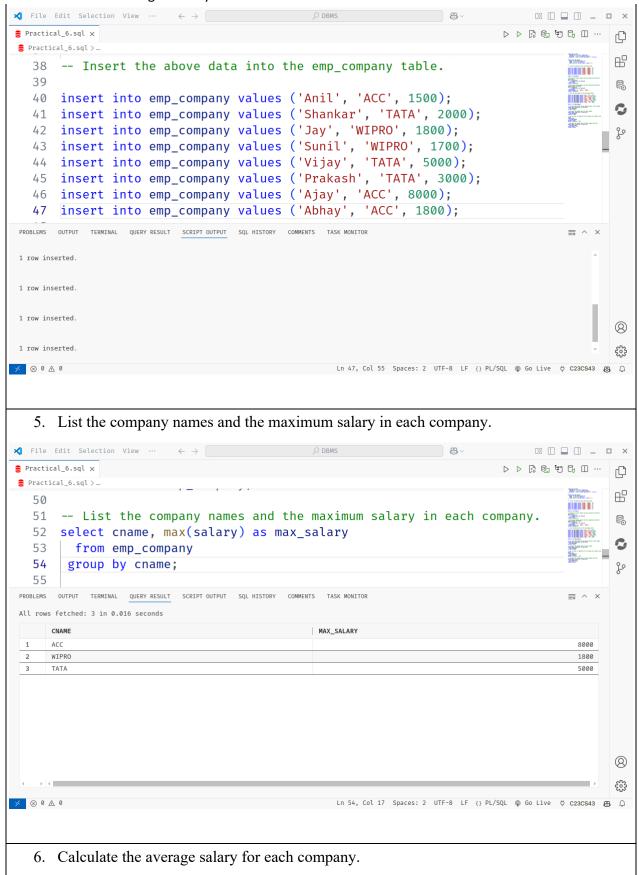
- Not Null Constraints: Critical fields such as product numbers, employee names, and salaries must not contain null values.
- Unique Constraints: Ensure the integrity of unique fields like Product no and ENAME.
- Check Constraints: Validate that quantities and salaries have valid positive values
- 1. Product Table: Tracks order details for various products.
 - Detorder_no (Primary Key)
 - Product no (Not Null, Unique)
 - Qty order (Not Null, Check: Greater than zero)
- 1. emp company Table: Tracks employees, their companies, and salaries.

- ENAME (Not Null, Unique)
- CNAME (Not Null)
- SALARY (Not Null, Check: Greater than zero)

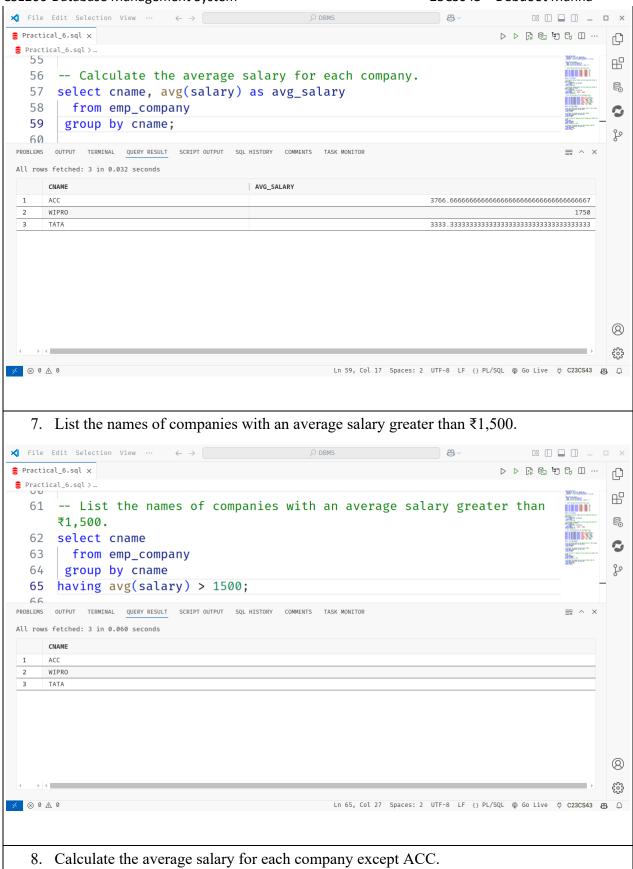




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CSE206-Database Management System

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