



Faculty of Technology and Engineering

Chandubhai S. Patel Institute of Technology (CSPIT)

Department of Computer Science & Engineering

Date: / /

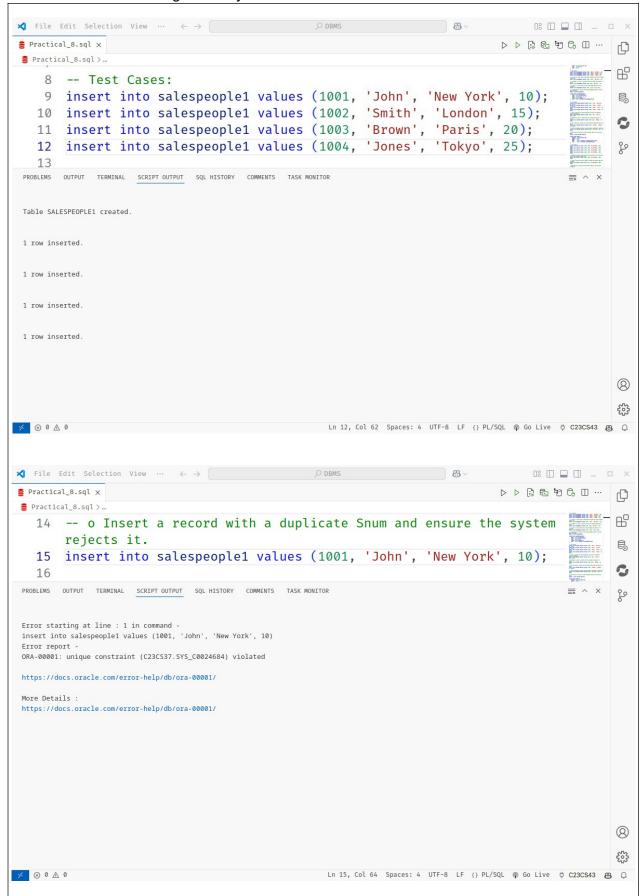
Laboratory Manual

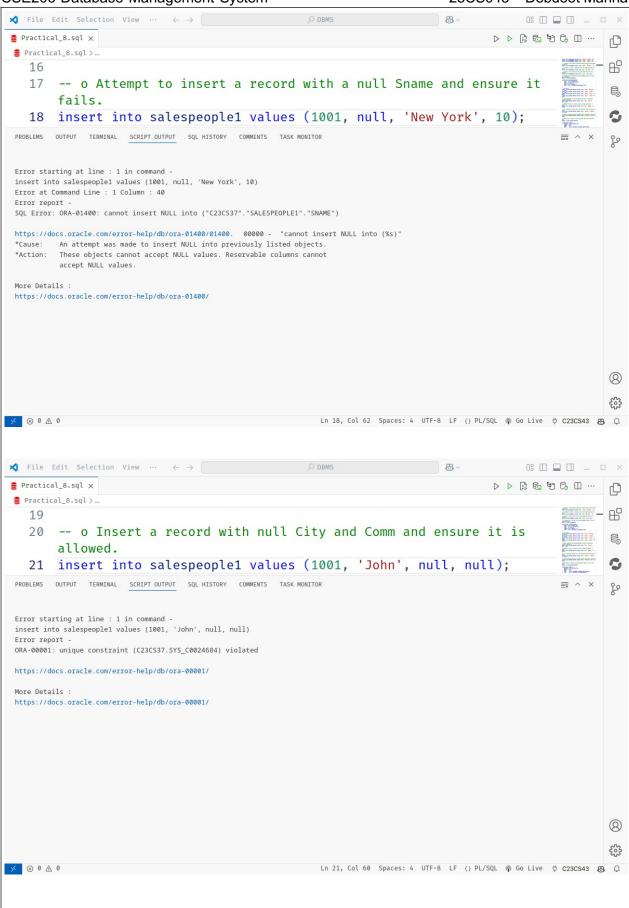
Academic Year	:	2024-25	Semester	:	4
Course code	:	CSE206	Course name	:	DATABASE MANAGEMENT SYSTEM

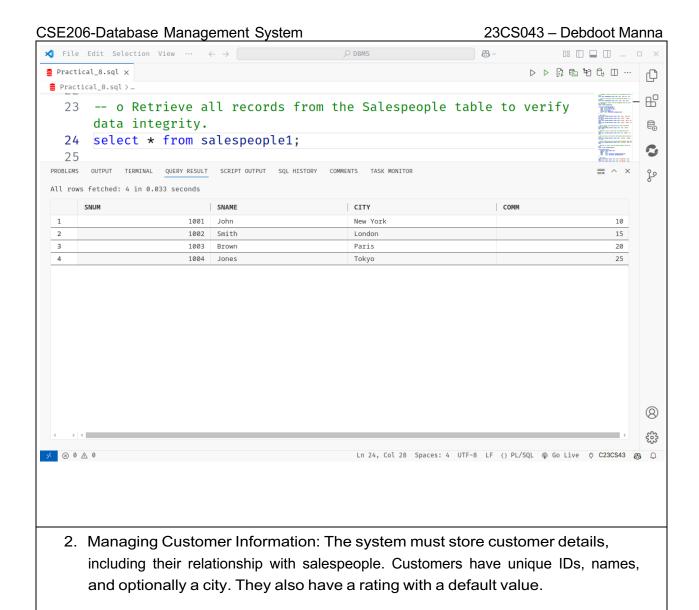
Practical - 8

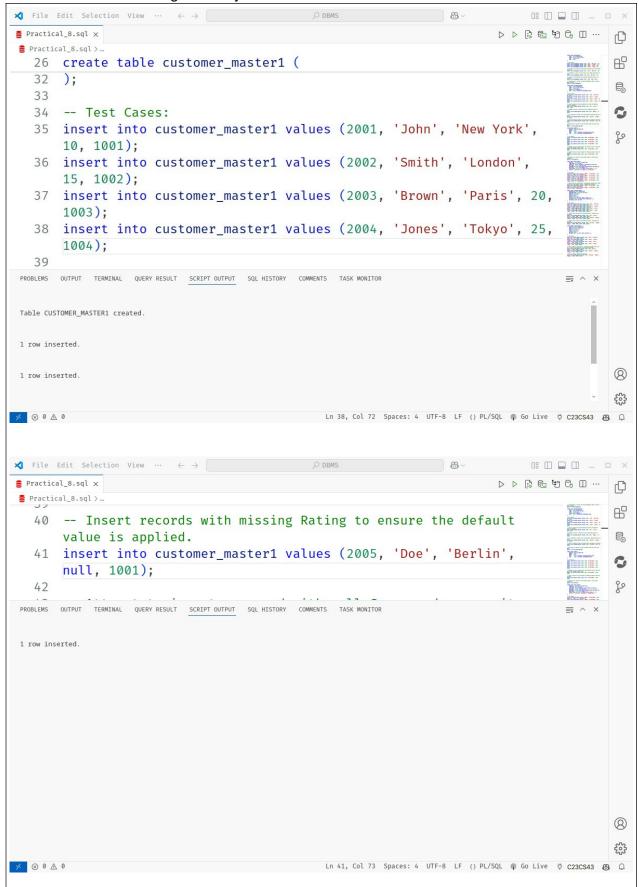
AIM - You are tasked with designing a database for managing a sales and client management system. The database should support the creation, updating, and querying of data related to salespeople, customers, orders, and clients while ensuring data integrity through constraints. (Refer the attached excel sheet for Database)

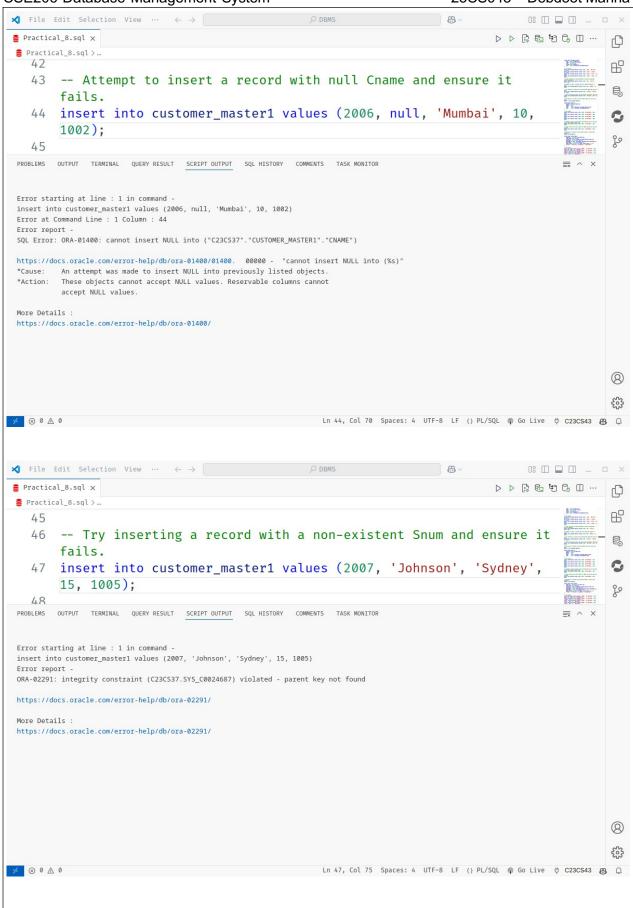
1. Managing Salespeople Information: The organization needs a table to store data about its salespeople. Each salesperson must have a unique ID, a name, and optionally, a city and commission rate.

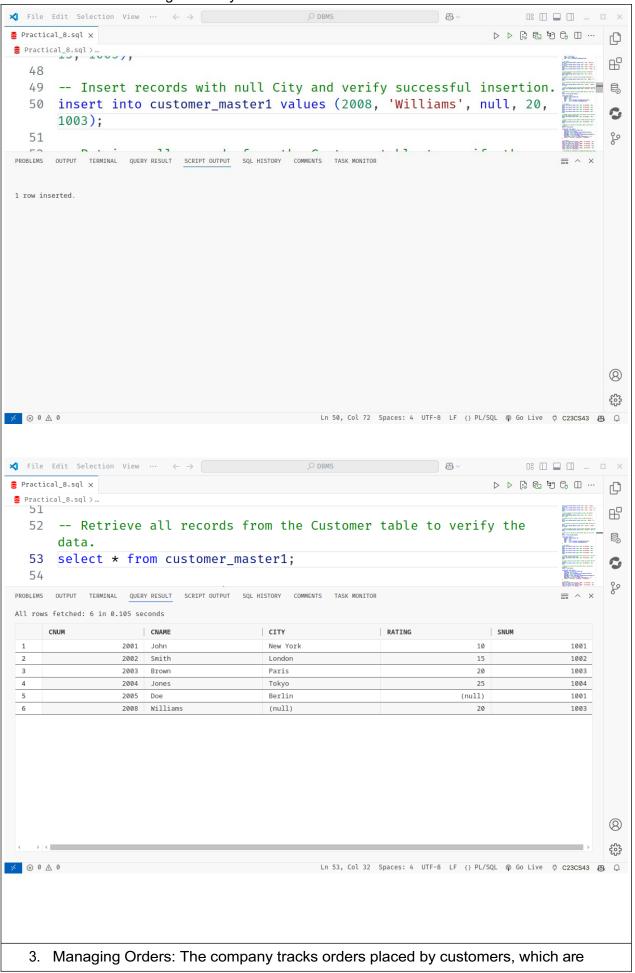




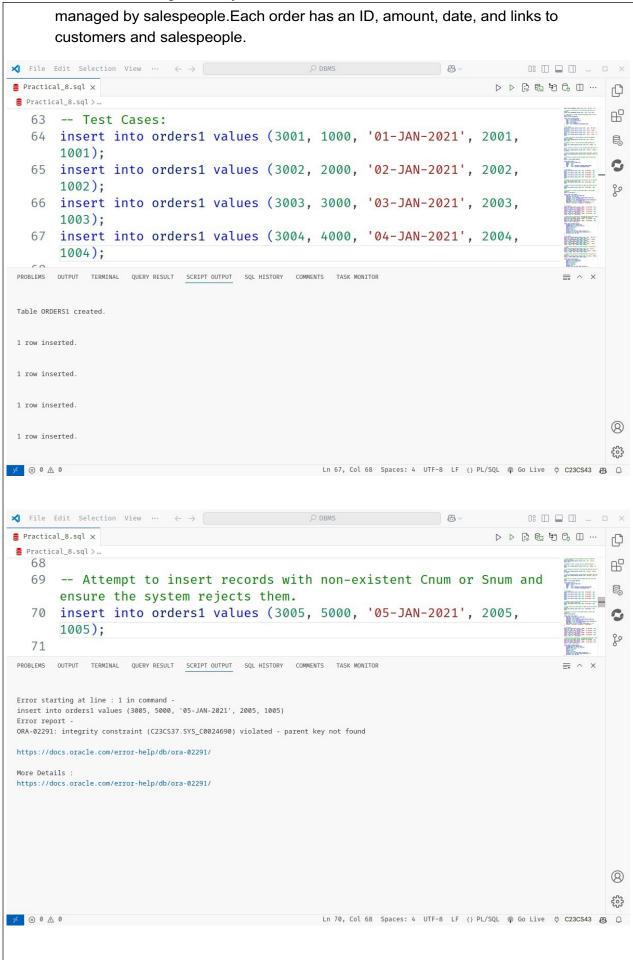


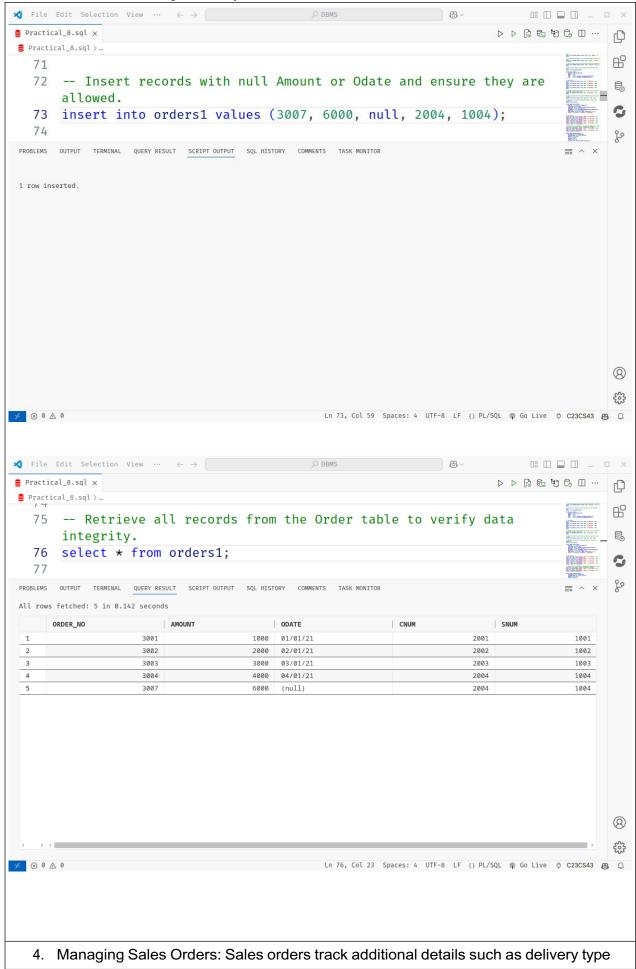


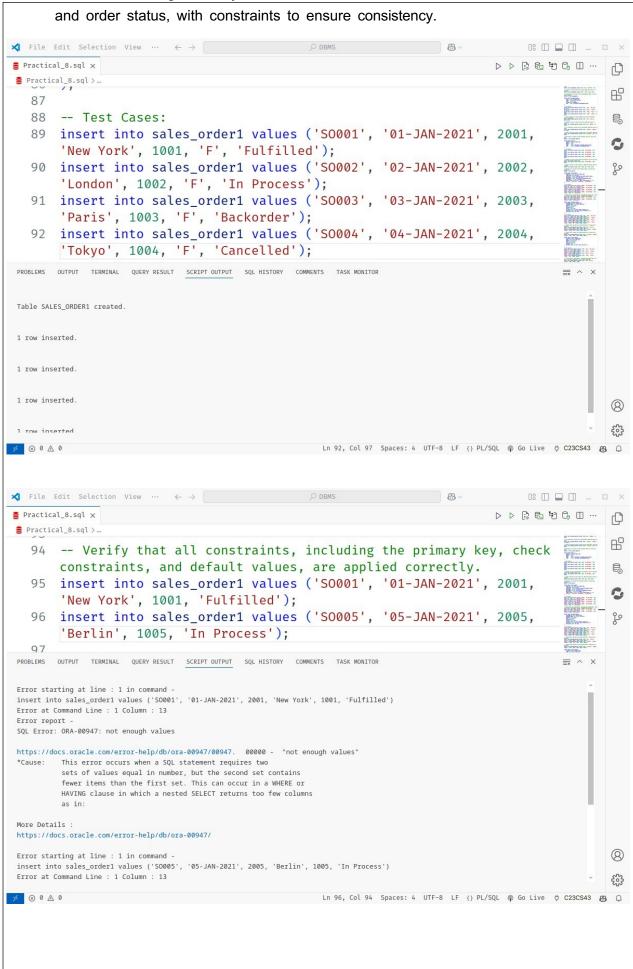




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Managing Salesman Details: The organization needs to maintain records of salesmen, including their target and year-to-date sales, with strict constraints for validation. 8- 0: 0 = 0 × imes File Edit Selection View \cdots \leftarrow oPractical_8.sql x □日伊伊司司 4 < □ 0 Practical_8.sql > ... RP 110 -- Test Cases: 111 insert into salesman_master1 values (1001, 'John', 'New York', B 'New York', 10001, 'NY', 5000, 10000, 50000); 3 112 insert into salesman_master1 values (1002, 'Smith', 'London', 'London', 20002, 'LDN', 10000, 20000, 100000); 113 insert into salesman master1 values (1003, 'Brown', 'Paris', 'Paris', 30003, 'PRS', 15000, 30000, 150000); (SERVE -114 insert into salesman_master1 values (1004, 'Jones', 'Tokyo', 'Tokyo', 40004, 'TKY', 20000, 40000, 200000); PROBLEMS OUTPUT TERMINAL QUERY RESULT SCRIPT OUTPUT SQL HISTORY COMMENTS TASK MONITOR <u></u> ^ × Table SALESMAN MASTER1 created. 1 row inserted. 1 row inserted. 8 1 row inserted. 503 × ⊗ 0 <u>∧</u> 0 Ln 114, Col 107 Spaces: 4 UTF-8 LF {} PL/SQL @ Go Live ♥ C23CS43 ₼ Q 08 🔲 🔲 🔲 🗆 🗆 🗙 imes File Edit Selection View \cdots \leftarrow oPractical_8.sql x P Practical_8.sql > ... 8 116 -- Verify that records with invalid Sal_amt or Ytd_sales are rejected. RIVE-島 117 insert into salesman_master1 values (1005, 'Doe', 'Berlin', 3 'Berlin', 50005, 'BRN', -5000, 10000, 50000); 1981115 insert into salesman_master1 values (1006, 'Johnson', 'Sydney', 'Sydney', 60006, 'SYD', 5000, -10000, 50000); PROBLEMS OUTPUT TERMINAL QUERY RESULT SCRIPT OUTPUT SQL HISTORY COMMENTS TASK MONITOR **■** ^ × Error starting at line : 1 in command insert into salesman_master1 values (1005, 'Doe', 'Berlin', 'Berlin', 50005, 'BRN', -5000, 10000, 50000) ORA-02290: check constraint (C23CS37.SYS_C0024734) violated https://docs.oracle.com/error-help/db/ora-02290/ More Details : https://docs.oracle.com/error-help/db/ora-02290/ Error starting at line : 2 in command insert into salesman_master1 values (1006, 'Johnson', 'Sydney', 'Sydney', 60006, 'SYD', 5000, -10000, 50000) ORA-02290: check constraint (C23CS37.SYS_C0024735) violated https://docs.oracle.com/error-help/db/ora-02290/ 8 More Details . https://docs.oracle.com/error-help/db/ora-02290/ 263 Ln 119, Col 1 Spaces: 4 UTF-8 LF {} PL/SQL @ Go Live O C23CS43 × × 0 A 0

