

**NATIONAL UNIVERSITY OF MODERN LANGUAGES**

**Data Base Management Lab Report - 5**

**NAME: Abdul Rafay**

**ROLL NO:** FL23791

**PROGRAM:**  BSSE (4th Semester)

**COURSE:** DATA BASE MANAGEMENT

**SUBMITTED TO:** Sir M Waqar

**DATE: 5 May 2025                                                                                                                       DAY: Monday**

**Lab Report 5**

**Task no 1 : Create a database named as Data definition Lab and create following**

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| CREATE TABLE Customer (  Customer\_ID INT PRIMARY KEY,  Customer\_Name VARCHAR(35) NOT NULL,  Customer\_Address VARCHAR(35),  Customer\_State CHAR(2) NOT NULL  ); | CREATE TABLE Sales\_Order (  Order\_Id INT PRIMARY KEY,  Order\_Date DATE,  Customer\_ID INT,  FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID)  ); |
| CREATE TABLE Products (  Product\_ID INT PRIMARY KEY,  Product\_Name VARCHAR(40) UNIQUE,  Product\_Line\_ID INT CHECK (Product\_Line\_ID >= 10 AND Product\_Line\_ID <= 100)  ); | CREATE TABLE Order\_line (  Order\_ID INT,  Product\_ID INT,  PRIMARY KEY (Order\_ID, Product\_ID),  FOREIGN KEY (Order\_ID) REFERENCES Sales\_Order(Order\_Id),  FOREIGN KEY (Product\_ID) REFERENCES Products(Product\_ID)  ); |

**Q2. Insert 15 to 20 records in the above mentioned tables**

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| INSERT INTO Customer (Customer\_ID, Customer\_Name, Customer\_Address, Customer\_State)  VALUES  (1, 'Ali Khan', '123 Main St', 'PK'),  (2, 'Ahmed Iqbal', '456 Elm St', 'PK'),  (3, 'Bilal Shah', '789 Oak St', 'PK'),  (4, 'Zaid Mahmood', '101 Pine St', 'PK'),  (5, 'Imran Farooq', '202 Cedar St', 'PK'),  (6, 'Omar Siddiqui', '303 Birch St', 'PK'),  (7, 'Tariq Jamil', '404 Maple St', 'PK'),  (8, 'Salman Ahmed', '505 Willow St', 'PK'),  (9, 'Usman Raza', '606 Redwood St', 'PK'),  (10, 'Farhan Yousaf', '707 Cherry St', 'PK'); | INSERT INTO Sales\_Order (Order\_Id, Order\_Date, Customer\_ID)  VALUES  (1, '2023-01-01', 1),  (2, '2023-02-15', 2),  (3, '2023-03-20', 3),  (4, '2023-04-10', 4),  (5, '2023-05-05', 5),  (6, '2023-06-18', 6),  (7, '2023-07-22', 7),  (8, '2023-08-13', 8),  (9, '2023-09-14', 9),  (10, '2023-10-30', 10); |
| INSERT INTO Products (Product\_ID, Product\_Name, Product\_Line\_ID)  VALUES  (1, 'Laptop', 20),  (2, 'Smartphone', 30),  (3, 'Tablet', 25),  (4, 'Monitor', 40),  (5, 'Keyboard', 15),  (6, 'Mouse', 18),  (7, 'Printer', 35),  (8, 'Scanner', 22),  (9, 'Headset', 50),  (10, 'Webcam', 60); | INSERT INTO Order\_line (Order\_ID, Product\_ID)  VALUES  (1, 1),  (1, 2),  (2, 3),  (2, 4),  (3, 5),  (3, 6),  (4, 7),  (4, 8),  (5, 9),  (5, 10),  (6, 1),  (6, 2),  (7, 3),  (7, 4),  (8, 5),  (8, 6),  (9, 7),  (9, 8),  (10, 9); |

**Output :**







