

NATIONAL UNIVERSITY OF MODERN LANGUAGES

Data Base Management Lab Report - 5

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PROGRAM: BSSE (4th Semester)

COURSE: DATA BASE MANAGEMENT

SUBMITTED TO: Sir M Waqar

<u>DATE</u>: 5 May 2025 <u>DAY</u>: Monday

Lab Report 5

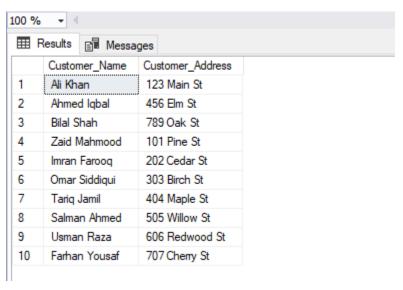
Task no 1: Create a database named as Data definition Lab and create following

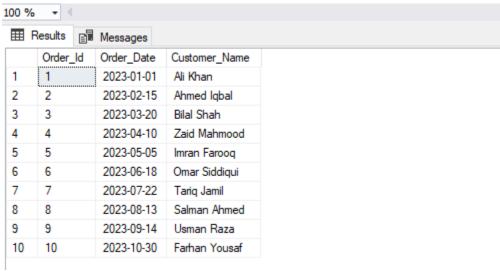
```
CREATE TABLE Customer (
                                         CREATE TABLE Sales Order (
   Customer_ID INT PRIMARY KEY,
                                             Order_Id INT PRIMARY KEY,
   Customer Name VARCHAR(35) NOT
                                             Order Date DATE,
NULL,
                                             Customer_ID INT,
                                             FOREIGN KEY (Customer_ID)
    Customer_Address VARCHAR(35),
    Customer_State CHAR(2) NOT NULL
                                        REFERENCES Customer(Customer ID)
);
                                         );
                                         CREATE TABLE Order_line (
CREATE TABLE Products (
                                             Order_ID INT,
    Product_ID INT PRIMARY KEY,
    Product Name VARCHAR(40) UNIQUE,
                                             Product ID INT,
    Product_Line_ID INT CHECK
                                             PRIMARY KEY (Order_ID,
(Product Line ID >= 10 AND
                                         Product ID),
Product Line ID <= 100)</pre>
                                             FOREIGN KEY (Order_ID) REFERENCES
);
                                         Sales_Order(Order_Id),
                                             FOREIGN KEY (Product_ID)
                                        REFERENCES Products(Product ID)
                                         );
```

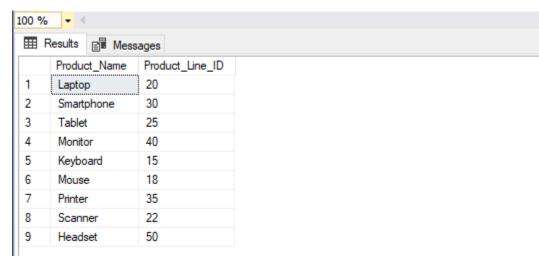
Q2. Insert 15 to 20 records in the above mentioned tables

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

Output:









Results Messages

	Order 14	Deceluet Macro
	Order_ld	Product_Name
1	1	Laptop
2	1	Smartphone
3	2	Tablet
4	2	Monitor
5	3	Keyboard
6	3	Mouse
7	4	Printer
8	4	Scanner
9	5	Headset
10	5	Webcam
11	6	Laptop
12	6	Smartphone
13	7	Tablet
14	7	Monitor
15	8	Keyboard
16	8	Mouse
17	9	Printer
18	9	Scanner
19	10	Headset