**EXPERIMENT : 8**

CREATE TABLE Customer\_21\_Bijal ( CustomerID INT PRIMARY KEY, CustomerName VARCHAR(255), ContactNumber VARCHAR(255), Address VARCHAR(255), City VARCHAR(255), PostalCode VARCHAR(20), Country VARCHAR(255) );

table CUSTOMER\_21\_BIJAL created.

CREATE TABLE Employees\_21\_Bijal ( EmployeeID INT PRIMARY KEY, LastName VARCHAR(255), FirstName VARCHAR(255), BirthDate DATE, Photo BLOB );

table EMPLOYEES\_21\_BIJAL created.

CREATE TABLE Orders\_21\_Bijal ( OrderID INT PRIMARY KEY, CustomerID INT, EmployeeID INT, OrderDate DATE, ShipperID INT, FOREIGN KEY (CustomerID) REFERENCES Customer\_21\_Bijal(CustomerID), FOREIGN KEY (EmployeeID) REFERENCES Employees\_21\_Bijal(EmployeeID) );

table ORDERS\_21\_BIJAL created.

INSERT INTO Customer\_21\_Bijal (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES

(1, 'John Doe', 'John', '123 Elm St', 'Springfield', '62701', 'USA');

INSERT INTO Customer\_21\_Bijal (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES

(2, 'Jane Smith', 'Jane', '456 Oak St', 'Riverside', '92501', 'USA');

INSERT INTO Customer\_21\_Bijal (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES

(3, 'Jim Brown', 'Jim', '789 Pine St', 'Greenwood', '12345', 'USA');

INSERT INTO Customer\_21\_Bijal (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES

(4, 'Emily Davis', 'Emily', '321 Maple St', 'Lakewood', '54321', 'Canada');

INSERT INTO Customer\_21\_Bijal (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

VALUES

(5, 'Michael Johnson', 'Michael', '654 Cedar St', 'Hilltown', '67890', 'USA');

INSERT INTO Employees\_21\_Bijal (EmployeeID, LastName, FirstName, BirthDate, Photo)

VALUES

(1, 'Taylor', 'Alex', TO\_DATE('1985-02-15', 'YYYY-MM-DD'), NULL);

INSERT INTO Employees\_21\_Bijal (EmployeeID, LastName, FirstName, BirthDate, Photo)

VALUES

(2, 'Miller', 'Sarah', TO\_DATE('1978-11-23', 'YYYY-MM-DD'), NULL);

INSERT INTO Employees\_21\_Bijal (EmployeeID, LastName, FirstName, BirthDate, Photo)

VALUES

(3, 'Wilson', 'Ethan', TO\_DATE('1990-06-09', 'YYYY-MM-DD'), NULL);

INSERT INTO Employees\_21\_Bijal (EmployeeID, LastName, FirstName, BirthDate, Photo)

VALUES

(4, 'Moore', 'Olivia', TO\_DATE('1982-05-30', 'YYYY-MM-DD'), NULL);

INSERT INTO Employees\_21\_Bijal (EmployeeID, LastName, FirstName, BirthDate, Photo)

VALUES

(5, 'Anderson', 'James', TO\_DATE('1995-07-19', 'YYYY-MM-DD'), NULL);

INSERT INTO Orders\_21\_Bijal (OrderID, CustomerID, EmployeeID, OrderDate, ShipperID)

VALUES

(1, 1, 2, TO\_DATE('2024-01-10', 'YYYY-MM-DD'), 1);

INSERT INTO Orders\_21\_Bijal (OrderID, CustomerID, EmployeeID, OrderDate, ShipperID)

VALUES

(2, 2, 3, TO\_DATE('2024-02-15', 'YYYY-MM-DD'), 2);

INSERT INTO Orders\_21\_Bijal (OrderID, CustomerID, EmployeeID, OrderDate, ShipperID)

VALUES

(3, 1, 4, TO\_DATE('2024-03-20', 'YYYY-MM-DD'), 1);

INSERT INTO Orders\_21\_Bijal (OrderID, CustomerID, EmployeeID, OrderDate, ShipperID)

VALUES

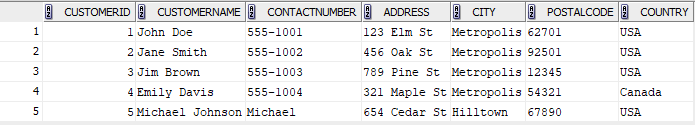
(4, 3, 5, TO\_DATE('2024-01-25', 'YYYY-MM-DD'), 3);

INSERT INTO Orders\_21\_Bijal (OrderID, CustomerID, EmployeeID, OrderDate, ShipperID)

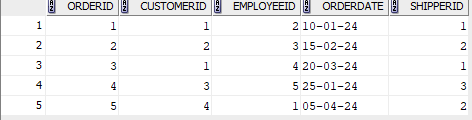
VALUES

(5, 4, 1, TO\_DATE('2024-04-05', 'YYYY-MM-DD'), 2);

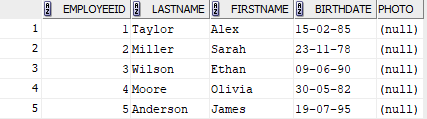
SELECT \* FROM Customer\_21\_Bijal;



SELECT \* FROM ORDERS\_21\_Bijal;

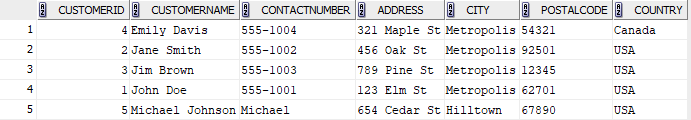


SELECT \* FROM EMPLOYEES\_21\_Bijal;

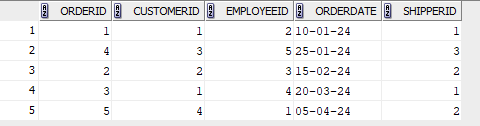


**QUESTIONS**

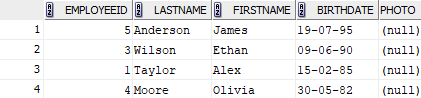
1. SELECT CustomerID, CustomerName, ContactName, Address, City, PostalCode, CountryFROM Customer\_21\_Bijal ORDER BY CustomerName ASC;



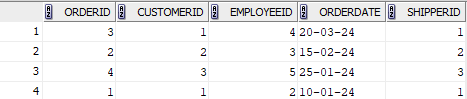
1. SELECT \* FROM Orders\_21\_Bijal ORDER BY OrderDate ASC;



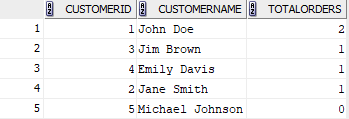
1. SELECT EmployeeID, LastName, FirstName, BirthDate, Photo FROM Employees\_21\_Bijal WHERE BirthDate > TO\_DATE('1980-01-01', 'YYYY-MM-DD') ORDER BY BirthDate DESC;



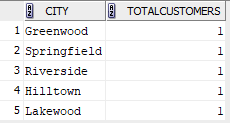
1. SELECT o.OrderID, o.CustomerID, o.EmployeeID, o.OrderDate, o.ShipperID FROM Orders\_21\_Bijal o JOIN Customer\_21\_Bijal c ON o.CustomerID = c.CustomerID WHERE c.Country = 'USA' ORDER BY o.OrderDate DESC;



1. SELECT c.CustomerID, c.CustomerName, COUNT(o.OrderID) AS TotalOrders FROM Customer\_21\_Bijal c LEFT JOIN Orders\_21\_Bijal o ON c.CustomerID = o.CustomerID GROUP BY c.CustomerID, c.CustomerName ORDER BY TotalOrders DESC;



1. SELECT City, COUNT(CustomerID) AS TotalCustomers FROM Customer\_21\_Bijal GROUP BY City ORDER BY TotalCustomers DESC;



1. SELECT c.CustomerID, c.CustomerName, COUNT(o.OrderID) AS TotalOrders FROM Customer\_21\_Bijal c JOIN Orders\_21\_Bijal o ON c.CustomerID = o.CustomerID GROUP BY c.CustomerID, c.CustomerName HAVING COUNT(o.OrderID) >= 2 ORDER BY c.CustomerName ASC;



-- Update existing customers to a city with more than 3 customers UPDATE Customer\_21\_Bijal

SET City = 'Metropolis' WHERE CustomerID IN (1, 2, 3, 4);--

1. SELECT City, COUNT(CustomerID) AS TotalCustomers FROM Customer\_21\_Bijal GROUP BY City HAVING COUNT(CustomerID) > 3 ORDER BY TotalCustomers DESC;

