**Assignment :1**

1. Insert a new record in your Orders table.

**Answer: 1**

CREATE TABLE Orders (OrderId int, CustomerId int, SalesmanId int, Orderdate Date, Amount money);

INSERT INTO Orders Values

(5001,2345,101,'2021-07-01',550),

(5003,1234,105,'2022-02-15',1500);

2. Add Primary key constraint for SalesmanId column in Salesman table. Add default

constraint for City column in Salesman table. Add Foreign key constraint for SalesmanId

column in Customer table. Add not null constraint in Customer\_name column for the

Customer table

**Answer: 2**

CREATE TABLE Salesman (

SalesmanId INT PRIMARY KEY,

Name VARCHAR(255),

Commission DECIMAL(10, 2),

City VARCHAR(255) NULL,

Age INT

);

INSERT INTO Salesman (SalesmanId, Name, Commission, City, Age)

VALUES

(101, 'Joe', 50, 'California', 17),

(102, 'Simon', 75, 'Texas', 25),

(103, 'Jessie', 105, 'Florida', 35),

(104, 'Danny', 100, 'Texas', 22),

(105, 'Lia', 65, 'New Jersey', 30);

CREATE TABLE Customer (

SalesmanId INT FOREIGN KEY (SalesmanId) REFERENCES Salesman(SalesmanId),

CustomerId INT,

CustomerName VARCHAR(255) NOT NULL,

PurchaseAmount INT

);

INSERT INTO Customer (SalesmanId, CustomerId, CustomerName, PurchaseAmount)

VALUES

(101,2345,'Andrew',550),

(103,1575,'Lucky',4500),

(104,2345,'Andrew',4000),

(105,3747,'Remona',2700),

(102,4004,'Julia',4545);

3. Fetch the data where the Customer’s name is ending with ‘N’ also get the purchase

amount value greater than 500.

**Answer: 3**

select \* from customer where CustomerName like '%n'and PurchaseAmount > 500;

4. Using SET operators, retrieve the first result with unique SalesmanId values from two

tables, and the other result containing SalesmanId with duplicates from two tables.

**Answer: 4**

**Unique:**

select SalesmanId from Salesman

INTERSECT

select SalesmanId from Orders where SalesmanId='101';

**Duplicate:**

select SalesmanId from Salesman

UNION ALL

select SalesmanId from Orders

5. Display the below columns which has the matching data. Orderdate, Salesman Name, Customer Name, Commission, and City which has the range of Purchase Amount between 500 to 1500.

**Answer: 5**

Select o.Orderdate,s.name,c.customername,s.commission,s.city

from Salesman as s, Customer as c, Orders as o

where c.purchaseAmount between 500 and 1500

6. Using right join fetch all the results from Salesman and Orders table.

**Answer: 6**

select \* from

Salesman as s

RIGHT JOIN

Orders as o

ON s.SalesmanId = o.SalesmanId

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