

# Assignment\_13\_14\_15

1. Create a union of two queries that shows the names, cities, and ratings of all customers, indicating "High Rating" or "Low Rating":

```
SELECT CustomerName, City, Rating, 'High Rating' AS RatingStatus
FROM Customers
WHERE Rating >= 200
UNION
SELECT CustomerName, City, Rating, 'Low Rating' AS RatingStatus
FROM Customers
WHERE Rating < 200;
```

2. Produce the name and number of each salesperson and each customer with more than one current order, in alphabetical order:

```
SELECT SalespersonName AS Name, SalespersonID AS Number
FROM Salespeople
WHERE SalespersonID IN (SELECT SalespersonID FROM Orders GROUP BY SalespersonID HAVING COUNT(OrderID)
> 1)
UNION
SELECT CustomerName AS Name, CustomerID AS Number
FROM Customers
WHERE CustomerID IN (SELECT CustomerID FROM Orders GROUP BY CustomerID HAVING COUNT(OrderID) > 1)
ORDER BY Name;
```

3. Form a union of three queries:

```
SELECT SalespersonID AS SNum
FROM Salespeople
WHERE City = 'San Jose'
UNION
SELECT CustomerID AS CNum
FROM Customers
WHERE City = 'San Jose'
UNION ALL
SELECT OrderID AS ONum
FROM Orders
WHERE OrderDate = '2024-10-03';
```

## Assignment\_14

1. Insert the given values into the salespeople table:

```
INSERT INTO Salespeople (City, SalespersonName, CommissionRate, CustomerID)
VALUES ('San Jose', 'Blanco', NULL, 1100);
```

2. Remove all orders from customer Clemens from the Orders table:

```
DELETE FROM Orders
WHERE CustomerID = (SELECT CustomerID FROM Customers WHERE CustomerName = 'Clemens');
```

3. Increase the rating of all customers in Rome by 100:

```
UPDATE Customers
SET Rating = Rating + 100
WHERE City = 'Rome';
```

4. Assign all customers of salesperson Serres to salesperson Motika:

```
UPDATE Customers
SET SalespersonID = (SELECT SalespersonID FROM Salespeople WHERE SalespersonName = 'Motika')
WHERE SalespersonID = (SELECT SalespersonID FROM Salespeople WHERE SalespersonName = 'Serres');
```

## Assignment\_15

1. **Insert all salespeople with more than one customer into the `Multicust` table:**

```
INSERT INTO Multicust (SalespersonID, SalespersonName, City, CommissionRate)
SELECT SalespersonID, SalespersonName, City, CommissionRate
FROM Salespeople
WHERE SalespersonID IN (SELECT SalespersonID FROM Customers GROUP BY SalespersonID HAVING COUNT(CustomerID) > 1);
```

2. **Delete all customers with no current orders:**

```
DELETE FROM Customers
WHERE CustomerID NOT IN (SELECT DISTINCT CustomerID FROM Orders);
```

3. **Increase by twenty percent the commissions of all salespeople with total orders above Rs. 3,000:**

```
UPDATE Salespeople
SET CommissionRate = CommissionRate * 1.2
WHERE SalespersonID IN (SELECT SalespersonID FROM Orders GROUP BY SalespersonID HAVING SUM(OrderAmount) > 3000);
```