Assignment_10_11_12

1. **Produce all pairs of salespeople who are living in the same city (excluding combinations of salespeople with themselves and duplicate rows):**

```
SELECT A.SalespersonName AS Salesperson1, B.SalespersonName AS Salesperson2
FROM Salespeople A
JOIN Salespeople B ON A.City = B.City
WHERE A.SalespersonID < B.SalespersonID;
```

2. **Produce the names and cities of all customers with the same rating as Hoffman:**

```
SELECT Customers.CustomerName, Customers.City
FROM Customers
WHERE Customers.Rating = (SELECT Rating FROM Customers WHERE CustomerName = 'Hoffman');
```

Assignment_11

1. **Obtain all orders for the customer named Cisneros (assuming you do not know his customer number):**

```
SELECT *
FROM Orders
WHERE CustomerID = (SELECT CustomerID FROM Customers WHERE CustomerName = 'Cisneros');
```

2. **Produce the names and ratings of all customers who have above-average orders:**

```
SELECT CustomerName, Rating
FROM Customers
WHERE CustomerID IN (SELECT CustomerID FROM Orders GROUP BY CustomerID HAVING SUM(OrderAmount) > (SEL
ECT AVG(TotalOrders) FROM (SELECT SUM(OrderAmount) AS TotalOrders FROM Orders GROUP BY CustomerID) AS
AvgOrders));
```

3. **Select the total amount in orders for each salesperson for whom this total is greater than the amount of the largest order in the table:**

```
SELECT SalespersonID, SUM(OrderAmount) AS TotalOrderAmount
FROM Orders
GROUP BY SalespersonID
HAVING SUM(OrderAmount) > (SELECT MAX(OrderAmount) FROM Orders);
```

Assignment_12

1. **Select all customers whose ratings are equal to or greater than ANY of Serres' ratings:**

```
SELECT *
FROM Customers
WHERE Rating >= ANY (SELECT Rating FROM Customers WHERE CustomerName = 'Serres');
```

2. **Find all salespeople who have no customers located in their city:**

```
SELECT *
FROM Salespeople
WHERE SalespersonID NOT IN (SELECT DISTINCT SalespersonID FROM Customers WHERE City = Salespeople.Cit
y);
```

3. **Select all orders for amounts greater than any for the customers in London:**

```
SELECT *
FROM Orders
WHERE OrderAmount > ANY (SELECT OrderAmount FROM Orders WHERE CustomerID IN (SELECT CustomerID FROM C
ustomers WHERE City = 'London'));
```

4. **Select all orders for amounts greater than the maximum order amount for the customers in London:**

```
SELECT *
FROM Orders
WHERE OrderAmount > (SELECT MAX(OrderAmount) FROM Orders WHERE CustomerID IN (SELECT CustomerID FROM
Customers WHERE City = 'London'));
```