

SQL Homework- Sneha Kripa TS

1.

```
SELECT COUNT AS TotalCompletedOrders
FROM Orders
WHERE DATE(OrderCompletedDate) = '2023-03-18';
```

2.

```
SELECT COUNT(*) AS TotalOrders
FROM Orders
WHERE OrderCompletedDate = '2023-03-18'
AND CustomerID IN (
  SELECT CustomerID
  FROM Customers
  WHERE FirstName = 'John' AND LastName = 'Doe'
);
```

3.

```
SELECT
COUNT(DISTINCT CustomerID) AS TotalCustomers,
AVG(AvgPurchaseAmount) AS AverageAmountSpentPerCustomer
FROM (
  SELECT CustomerID,
  SUM(PurchaseAmount) AS AvgPurchaseAmount
  FROM Purchases
  WHERE DATE BETWEEN '2023-01-01' AND '2023-01-31'
  GROUP BY CustomerID
) AS Subquery;
```

4.

```
SELECT DepartmentName
FROM Departments D
LEFT JOIN Revenues ON DepartmentID = DepartmentID
WHERE YEAR(RevenueDate) = 2022
GROUP BY DepartmentName
HAVING SUM(RevenueAmount) < 600;
```

5.

```
SELECT MIN(OrderRevenue) AS MinRevenue
FROM Orders;
```

6.

```
WITH MostLucrativeOrder AS (
```

```
SELECT OrderID
FROM Orders
ORDER BY OrderRevenue DESC
LIMIT 1
)
```

```
SELECT od.OrderID, od.ProductID, od.Quantity, od.Price
FROM OrderDetails od
JOIN MostLucrativeOrder mo ON od.OrderID = mo.OrderID;
```