

Recitation week 12

Queries

- Select all information in Customers table
 - `SELECT * FROM Customers`
- How many customers do we have?
 - `SELECT COUNT(*) FROM Customers`
 - `SELECT COUNT(CustomerName) FROM Customers`

Queries

- How many orders did we get?
 - `SELECT COUNT(*) FROM Orders`
- How many products do we have?
 - `SELECT COUNT(*) FROM Product`
- What is the average revenue per product?
 - `SELECT AVG(RevenuePerProduct) FROM Product`
- What is the average cost per product?
 - `SELECT AVG(CostPerProduct) FROM Product`

Queries

- What was the average of order total?
 - `SELECT AVG(OrderTotal) FROM Orders`
- What was the average quantity sold?
 - `SELECT AVG(Quantity) FROM Order_Product`

Queries

- List orders with a total order amount greater than 1000
 - `SELECT * FROM Orders WHERE OrderTotal > 1000`
- How many of our orders were greater than 1000?
 - `SELECT COUNT(*) FROM Orders WHERE OrderTotal > 1000`

Queries

- List orders from customer 5
 - `SELECT * FROM Orders WHERE CustomerID = 5`
- How many of our orders were from customer 3?
- `SELECT COUNT(*) FROM Orders WHERE CustomerID = 3`

Queries

- What is the product with highest revenue per product
 - `SELECT MAX(RevenuePerProduct) FROM Product`
- Okay but what was the ID of that product?
 - `SELECT MAX(RevenuePerProduct), ProductID FROM Product`
- Add the name of the product as well
 - `SELECT MAX(RevenuePerProduct), ProductID, ProductName FROM Product`

Queries

- What was the total revenue from orders?
 - `SELECT SUM(OrderTotal) FROM Orders`
- What was the total quantity sold?
 - `SELECT SUM(Quantity) FROM Order_Product`

Queries

- What was the total revenue from orders of customer 1?
 - `SELECT SUM(OrderTotal) FROM Orders WHERE CustomerID = 1`

Queries

- What is the total number of products 1 did we sell?
 - `SELECT SUM(Quantity) FROM Order_Product WHERE ProductID = 1`

Queries

- How many orders did we get?
 - `SELECT COUNT(*) FROM Orders`
- How many products do we have?
 - `SELECT COUNT(*) FROM Product`

Queries

- We need the names of the customers? Get only that information.
 - In which table is this information is stored?
 - What information do we want to select from that table?

Queries

- We need the names and the notes we took for our customers?
 - In which table is this information is stored?
 - What information do we want to select from that table?

Queries

- How many unique customers we are working with?
 - In which table is this information is stored?
 - What information do we want to select from that table?
 - Tip: use DISTINCT

Queries

- Get the names city locations of the first 3 customers
 - In which table is this information is stored?
 - What information do we want to select from that table?
 - TIP: Limit x limits the number of rows to be shown
 - For example: `SELECT * FROM Product Limit 10`

Queries

- When was our first 5 orders and how much was the order total for each order?
 - In which table is this information is stored?
 - What information do we want to select from that table?
 - TIP: Limit x limits the number of rows to be shown
 - For example: `SELECT * FROM Product Limit 10`