

# **Recitation week 12**

# Queries

- Select all information in Customers table

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- Select all information in Customers table
  - `SELECT * FROM Customers`

\* Selects all columns

# Queries

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

# 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`

Count requires paranthesis.

Write the thing you want to count inside the paranthesis

Or you can just type \*

# Queries

- How many orders did we get?

# Queries

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

önce her zaman istenen bilgi hangi tabloda onu anla

Ardından ne isteniyor onu anla

# Queries

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



# 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?

Tip use the  
`AVG()` function

# 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`

# 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?

# 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?

# Queries

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

# 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  
Tip

Use WHERE condition

For example

Condition örnek:

SELECT .....WHERE condition

X sütununun 50 den küçük olması

$X < 50$



# Queries

- List orders after 2022.03.01

```
SELECT * FROM Orders WHERE OrderDate > "2022-03-01"
```

- List orders after 2022.03.01 and before 2022.03.12
- `SELECT * FROM Orders WHERE OrderDate > "2022-03-01" and OrderDate < "2022-03-01"`

# 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?

# 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

# Queries

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

# 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

# Queries

- What is the product with highest revenue per product
  - `SELECT MAX(RevenuePerProduct) FROM Product`
- Okay but what was the ID of that product?



# 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

# 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?

# Queries

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

# 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?

# 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

- What is the total number of products 1 did we sell?

# Queries

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

# 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`