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BSCS_F19_M_63
Section B
Morning

MySQL Queries

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Introduction

I am Muhammad Ammar, and I have listed down **MySQL** Queries which I have tested on w3schools.com. Queries of MySQL are listed down by Category. Thank you

SELECT

➔ SELECT CustomerName, City, Country FROM Customers;

➔ SELECT CustomerID, ContactName, Address FROM Customers;

➔ SELECT OrderID, EmployeeID, OrderDate FROM Orders;

➔ SELECT ShipperID FROM Shippers;

➔ SELECT * FROM Products;

WHERE

➔ SELECT * FROM Customers WHERE Country = 'Mexico';

➔ SELECT * FROM Customers WHERE City = 'Berlin';

➔ SELECT * FROM OrderDetails WHERE OrderDetailID < 10;

➔ SELECT * FROM OrderDetails WHERE ProductID BETWEEN 10 AND 50;

➔ SELECT EmployeeID, LastName, Notes FROM Employees WHERE EmployeeID BETWEEN 3 AND 30;

AND

→ `SELECT * FROM Customers WHERE City = 'Berlin' AND Country = 'Germany';`

→ `SELECT * FROM OrderDetails WHERE OrderDetailID > 60 AND OrderDetailID < 100;`

→ `SELECT * FROM OrderDetails WHERE OrderDetailID BETWEEN 60 AND 100;`

→ `SELECT * FROM Orders WHERE CustomerID > 50 AND CustomerID < 100;`

→ `SELECT * FROM Orders WHERE CustomerID BETWEEN 50 AND 100;`

OR

→ `SELECT * FROM Customers WHERE City = 'Berlin' OR Country = 'Germany';`

→ `SELECT * FROM OrderDetails WHERE OrderDetailID < 60 OR OrderDetailID > 100;`

→ `SELECT * FROM Orders WHERE CustomerID < 50 OR CustomerID > 100;`

NOT

→ `SELECT * FROM OrderDetails WHERE NOT (OrderDetailID > 60 AND OrderDetailID < 100);`

→ `SELECT * FROM OrderDetails WHERE OrderDetailID NOT BETWEEN 60 AND 100;`

→ `SELECT * FROM Orders WHERE CustomerID NOT BETWEEN 50 AND 100;`

ORDER BY

```
➜ SELECT CustomerName, City, Country FROM Customers ORDER BY
  Country;

➜ SELECT * FROM Orders ORDER BY EmployeeID;

➜ SELECT * FROM Orders ORDER BY OrderID DESC;

➜ SELECT * FROM Orders WHERE OrderID > 11000 ORDER BY OrderID;

➜ SELECT * FROM Orders WHERE OrderID > 11050 ORDER BY OrderDate;
```

LIMIT

```
➜ SELECT * FROM OrderDetails WHERE OrderDetailID NOT BETWEEN 60
  AND 100 LIMIT 10;

➜ SELECT * FROM Orders WHERE CustomerID BETWEEN 50 AND 100 LIMIT
  6;

➜ SELECT * FROM Orders WHERE OrderID > 11000 ORDER BY OrderID
  LIMIT 10;

➜ SELECT * FROM OrderDetails WHERE ProductID BETWEEN 10 AND 50
  LIMIT 40;
```

LIKE

```
➜ SELECT * FROM Customers WHERE City LIKE 'B%';

➜ SELECT * FROM Customers WHERE Country LIKE '%many';

➜ SELECT * FROM Customers WHERE City LIKE '%ondo%';
```

MAX()

- → `SELECT MAX(Quantity), OrderID, ProductID FROM OrderDetails;`

- → `SELECT MAX(Price), ProductName FROM Products;`

- → `SELECT MAX(Country) FROM Customers;`

MIN()

- → `SELECT MIN(Quantity), OrderID, ProductID FROM OrderDetails;`

- → `SELECT MIN(Price), ProductName FROM Products;`

- → `SELECT MIN(Country) FROM Customers;`

COUNT()

- → `SELECT COUNT(ContactName) FROM Customers;`

- → `SELECT COUNT(OrderID) FROM OrderDetails;`

- → `SELECT COUNT(Phone) FROM Shippers;`

AVG()

- → `SELECT AVG(Quantity) AS Average_Quantity FROM OrderDetails;`

- → `SELECT AVG(OrderID) AS AVG_OrderIDs FROM OrderDetails;`

- → `SELECT AVG(Price) AS Average_Price FROM Products;`

SUM()

- → `SELECT SUM(Quantity) AS Total_Quantity FROM OrderDetails;`

- → `SELECT SUM(OrderID) AS Total_OrderIDs FROM OrderDetails;`

- → `SELECT SUM(Price) AS Grand_Total FROM Products;`

CONCAT()

- → `SELECT CONCAT(CustomerName, ', ', ContactName) AS Person FROM Customers;`

- → `SELECT CONCAT(OrderID, ', ', CustomerID) AS ID_Set FROM Orders;`

- → `SELECT CONCAT(ContactName, ', ', SupplierName, ', ', Address, ', ', City) Supplier FROM Suppliers;`

Operations

- → `SELECT (OrderDetailID + OrderID + ProductID + Quantity) AS Mixture FROM OrderDetails;`

- → `SELECT CustomerID * 10 FROM Orders;`

- → `SELECT * FROM OrderDetails WHERE OrderID <> 10248;`