C3- S2 - PRACTICE

EXERCISE 1:

Databases on W3School

I. **Selecting**

Write statements to extract data from all tables from w3shool order at least one column by ASC and other one by DESC.

- a. **Customers**: select * from customers order by customername DESC;
  select * from customers order by country ASC;

- b. **Categories**: **select * from Categories order by CategoryName DESC;**
  select * from Categories order by CategoryName ASC;

- c. **Employees**: **select * from Employees order by LastName DESC;**
  select * from Employees order by LastName ASC;

- d. **OrderDetails** : **select * from OrderDetails order by Quantity DESC;**
  select * from OrderDetails order by Quantity ASC;

- e. **Orders** : **select * from Orders order by CustomerID DESC;**
  select * from Orders order by CustomerID ASC;

- f. **Products** : **select * from Products order by ProductName DESC;**
  select * from Products order by ProductName ASC;

- g. **Shippers** :
  select * from Shippers order by ShipperName DESC;
  select * from Shippers order by ShipperName ASC;

- h. **Suppliers** :
  select * from Suppliers order by SupplierName DESC;
  select * from Suppliers order by SupplierName ASC;

II. **Where clause**

a. Write a statement to extract all data from products where the price equals 19.5.

```
SELECT * FROM Products WHERE price = 19.5;
```

b. Write a statement to extract all data from ordereDetail where the Quantity is greater than 10.

```
SELECT * FROM OrderDetails WHERE Quantity > 10;
```

c. Write a statement to extract all data from shippers where the shipperid less than 3.

```
SELECT * FROM Shippers WHERE ShipperID < 3;
```

d. Write a statement to extract all data from products where the price is Greater than or equal to 40.

```
SELECT * FROM Products WHERE Price >= 40;
```

e. Write a statement to extract all data from products where SupplierID is Less than or equal to 9.

```
SELECT * FROM Products WHERE SupplierID <= 9;
```

f. Write a statement to extract all data from customers except "Canada".

```
SELECT * FROM Customers WHERE Country <> "Canada";
```

g. Write a statement to extract all data from products where the price is between 10 to 30.

```
SELECT * FROM Products WHERE Price >= 10 AND Price <= 30;
```

h. Write a statement to extract all data from customers where the customername starts with letter O.

```
SELECT * FROM Customers WHERE CustomerName LIKE "O%";
```

i. Write a statement to extract all data from suppliers where the country is in "USA, Italy,France"

```
SELECT * FROM Suppliers WHERE Country IN ('USA' , 'Italy' , 'France');
```