

# C3- S2 - PRACTICE

## EXERCISE 1:

### [Databases on W3School](#)

#### I. Selecting

Write statements to extract data from all tables from w3school 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 OrderID desc;`  
`SELECT * FROM OrderDetails order by ProductID asc;`
- e. **Orders :** `SELECT * FROM Orders order by ShipperID desc;`  
`SELECT * FROM Orders order by ShipperID asc;`
- f. **Products :** `SELECT * FROM Products order by ProductName desc;`  
`SELECT * FROM Products order by CategoryID asc;`
- g. **Shippers :** `SELECT * FROM Shippers order by ShipperName desc;`  
`SELECT * FROM Shippers order by ShipperName asc;`
- h. **Suppliers :** `SELECT * FROM Suppliers order by City desc;`  
`SELECT * FROM Suppliers order by Country 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 orderDetail 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 or 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");
```