1.8.3 DDL and DML

SQL Practice Scripts

Use this website to practice: https://goo.gl/v1oQFr

```sql
SELECT *
FROM Customers;


SELECT CustomerName, Country, City
FROM Customers;


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


SELECT CustomerName, Country, City
FROM Customers
ORDER BY Country DESC;


SELECT CustomerName, Country, City
FROM Customers
ORDER BY Country ASC, City DESC;


SELECT DISTINCT Country
FROM Customers;


SELECT CustomerName, Country, City
FROM Customers
WHERE Country = 'Germany';


SELECT CustomerName, Country, City
FROM Customers
WHERE Country = 'Germany' OR Country = 'USA' OR Country = 'Mexico'
ORDER BY Country;


SELECT CustomerName, Country, City
FROM Customers
WHERE Country IN ('Germany', 'USA', 'Mexico')
ORDER BY Country;


SELECT CustomerName, Country, City
FROM Customers
WHERE NOT(Country = 'Germany' OR Country = 'USA' OR Country = 'Mexico')
ORDER BY Country;


SELECT *
FROM Products
WHERE Price>=10 AND Price<=20
ORDER BY Price Desc;
```

```sql
SELECT *
FROM Products
WHERE Price BETWEEN 10 AND 20
ORDER BY Price Desc;
```

Wildcard
_ one character
% None, one or more charaters

```sql
SELECT CustomerName, Country, City
FROM Customers
WHERE CustomerName LIKE '%a';
```

```sql
SELECT LastName, Notes
FROM Employees
WHERE Notes LIKE '%french%';
```

```sql
SELECT LastName, Notes
FROM Employees
WHERE Notes LIKE '%french%' OR Notes LIKE '%german%';
```

```sql
SELECT Country, COUNT(Country)
FROM Customers
GROUP BY Country;
```

```sql
SELECT Country, COUNT(Country) AS [No. Of Customers]
FROM Customers
GROUP BY Country;
```

```sql
SELECT CategoryID, COUNT(CategoryID)
FROM Products
GROUP BY CategoryID;
```

```sql
SELECT CategoryID, COUNT(CategoryID)
FROM Products
GROUP BY CategoryID
HAVING COUNT(CategoryID)>10;
```

```sql
SELECT Country, COUNT(Country) AS [No. Of Customers]
FROM Customers
GROUP BY Country
HAVING COUNT(Country)>5;
```

```sql
SELECT SupplierName, ProductName
FROM Products, Suppliers
WHERE Suppliers.SupplierID = Products.SupplierID;
```

```sql
SELECT SupplierName, ProductName, CategoryName
FROM Products AS P, Suppliers AS S, Categories AS C
WHERE S.SupplierID = P.SupplierID
AND C.CategoryID = P.CategoryID;
```