

Create table

```
CREATE TABLE(  
    PersonID INT,  
    LastName VARCHAR(255),  
    FirstName VARCHAR(255),  
    Address VARCHAR(255),  
    City VARCHAR(255)  
)
```

Delete table

```
DROP TABLE Persons;
```

Delete all row inside table

```
TRUNCATE TABLE Persons;
```

Add column

```
ALTER TABLE Persons ADD Birthday DATE;
```

Delete column

```
ALTER TABLE Persons DROP COLUMN Birthday;
```

Select column

```
SELECT CustomerID, CustomerName, ContactName FROM Customers;
```

Select all column except certain column

```
SELECT DISTINCT Country FROM Customers;
```

Using "NOT" to select rows

```
SELECT * FROM Customers WHERE NOT City = 'Berlin';
```

Using "NOT" and "AND" to select rows

```
SELECT * FROM Customers WHERE City = 'Berlin' AND PostalCode = 12209;
```

Using "NOT" and "OR" to select rows

```
SELECT * FROM Customers WHERE City = 'Berlin' OR City = 'London';
```

Using "ORDER BY" to sort data.

```
SELECT * FROM Customers ORDER BY City;
```

Using "ORDER BY" and "DESC" to sort data

```
SELECT * FROM Customers ORDER BY City DESC;
```

Insert new row.

```
INSERT INTO Customers(  
    CustomerName,  
    Address,  
    City,
```

```

        PostalCode,
        Country
    ) VALUES (
        'Hekkan Burger',
        'Gateveien 15',
        'Sandnes',
        '4306',
        'Norway'
    )

```

Select rows where column is empty.

```
SELECT * FROM Customers WHERE PostalCode IS NULL;
```

Update column.

```
UPDATE Customers SET City = 'Oslo';
```

```
UPDATE Customers SET City = 'Oslo', Country = 'Norway' WHERE CustomerID = 32;
```

Using "DELETE" and "WHERE"

```
DELETE FROM Customers WHERE Country = 'Norway';
```

Using "MIN" to select the smallest value on records.

```
SELECT MIN(Price) FROM Products;
```

Count with "WHERE"

```
SELECT Count(*) FROM Products WHERE Price = 18;
```

Calculate average

```
SELECT AVG(Price) FROM Products;
```

Using "LIKE"

- Starts with letter "a"
SELECT * FROM Customers WHERE City LIKE "a%";
- Second letter is "a"
SELECT * FROM Customers WHERE City LIKE "_a%";
- Select whether the first letter is "a", "c", or "s"
SELECT * FROM Customers WHERE City LIKE "[acs]%";
- Select whether the first letter is "a" to "f".
SELECT * FROM Customers WHERE City LIKE "[a-f]%";
- Select whether the first letter is not "a", "c", or "s";
SELECT * FROM Customers WHERE City LIKE "[!acs]%";

Using "IN"

```
SELECT * FROM Customers WHERE Country IN ('Norway', 'France');
```

Using "IN" and "NOT"

```
SELECT * FROM Customers WHERE Country NOT IN ('Norway', 'France');
```

Using "BETWEEN" operator

```
SELECT * FROM Products WHERE Price BETWEEN 10 AND 20;
```

Using "BETWEEN" and "NOT" operator

```
SELECT * FROM Products WHERE Price NOT BETWEEN 10 AND 20;
```

Using "GROUP BY"

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