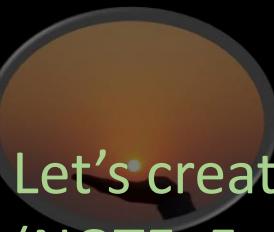




# Simple Queries



Let's create a table Fruit:

(NOTE: Following has been tested on SQLite, and it will work on MySQL, PostGreSQL, any relational DB)

-- Following creates a table Fruits with 6 columns

```
CREATE TABLE Fruits (
    FruitID INTEGER NOT NULL,
    FruitName VARCHAR(100),
    Color VARCHAR(50),
    Quantity INTEGER,
    PricePerUnit DECIMAL(10,2),
    IsImported INTEGER,
    PRIMARY KEY (FruitID)
);
```

FruitID	FruitName	Color	Quantity	PricePerUnit	IsImported
1	Grapes	Green	40	1	1
2	Orange	Orange	70	0.3	1
3	Apple	Red	50	0.5	0
4	Blueberry	Blue	20	2.5	1
5	Mango	Yellow	60	1.2	0
6	Strawberry	Red	30	2	1
7	Kiwi	Brown	25	1.8	1
8	Pineapple	Brown	15	3	0
9	Banana	Yellow	100	0.2	0
10	DragonFruit	Brown	15	2	0
11	JackFruit	Brown	15	3	0
12	Watermelon	Green	10	5	0
13	Lychee	Red	50	0.5	0
14	StarFruit	Yellow	100	0.2	0
15	PassionFruit	Green	70	0.3	1



Now let's add some records:

```
INSERT INTO <table_name> (<column_names>) VALUES (<row_records>);
```



```
INSERT INTO Fruits (FruitID, FruitName, Color, Quantity, PricePerUnit, IsImported) VALUES  
(1, 'Grapes', 'Green', 40, 1.0, 1),  
(2, 'Orange', 'Orange', 70, 0.3, 1),  
(3, 'Apple', 'Red', 50, 0.5, 0),  
(4, 'Blueberry', 'Blue', 20, 2.5, 1),  
(5, 'Mango', 'Yellow', 60, 1.2, 0),  
(6, 'Strawberry', 'Red', 30, 2.0, 1),  
(7, 'Kiwi', 'Brown', 25, 1.8, 1),  
(8, 'Pineapple', 'Brown', 15, 3.0, 0),  
(9, 'Banana', 'Yellow', 100, 0.2, 0),  
(10, 'DragonFruit', 'Brown', 15, 2.0, 0),  
(11, 'JackFruit', 'Brown', 15, 3.0, 0),  
(12, 'Watermelon', 'Green', 10, 5.0, 0),  
(13, 'Lychee', 'Red', 50, 0.5, 0),  
(14, 'StarFruit', 'Yellow', 100, 0.2, 0),  
(15, 'PassionFruit', 'Green', 70, 0.3, 1);
```

FruitID	FruitName	Color	Quantity	PricePerUnit	IsImported
1	Grapes	Green	40	1	1
2	Orange	Orange	70	0.3	1
3	Apple	Red	50	0.5	0
4	Blueberry	Blue	20	2.5	1
5	Mango	Yellow	60	1.2	0
6	Strawberry	Red	30	2	1
7	Kiwi	Brown	25	1.8	1
8	Pineapple	Brown	15	3	0
9	Banana	Yellow	100	0.2	0
10	DragonFruit	Brown	15	2	0
11	JackFruit	Brown	15	3	0
12	Watermelon	Green	10	5	0
13	Lychee	Red	50	0.5	0
14	StarFruit	Yellow	100	0.2	0
15	PassionFruit	Green	70	0.3	1



Now we run few SELECT queries to retrieve data from database.

```
SELECT <column_names>
FROM <table_names>
WHERE <filter_conditions>;
```

-- Select All Columns.  
-- No filter applied here

```
SELECT *
FROM Fruits;
```

FruitID	FruitName	Color	Quantity	PricePerUnit	IsImported
1	Grapes	Green	40	1	1
2	Orange	Orange	70	0.3	1
3	Apple	Red	50	0.5	0
4	Blueberry	Blue	20	2.5	1
5	Mango	Yellow	60	1.2	0
6	Strawberry	Red	30	2	1
7	Kiwi	Brown	25	1.8	1
8	Pineapple	Brown	15	3	0
9	Banana	Yellow	100	0.2	0
10	DragonFruit	Brown	15	2	0
11	JackFruit	Brown	15	3	0
12	Watermelon	Green	10	5	0
13	Lychee	Red	50	0.5	0
14	StarFruit	Yellow	100	0.2	0
15	PassionFruit	Green	70	0.3	1



Now we run few SELECT queries to retrieve data from database.

```
SELECT <column_names>
FROM <table_names>
WHERE <filter_conditions>;
```

-- Select few Columns: FruitName, Color

```
SELECT FruitName, Color
FROM Fruits;
```

FruitName	Color
Grapes	Green
Orange	Orange
Apple	Red
Blueberry	Blue
Mango	Yellow
Strawberry	Red
Kiwi	Brown
Pineapple	Brown
Banana	Yellow
DragonFruit	Brown
JackFruit	Brown
Watermelon	Green
Lychee	Red
StarFruit	Yellow
PassionFruit	Green



STOP