**Course name:A level**            **SUBJECT:DATABASE TECHNOLOGIES**

**Topic:Maria db**                                **DATE:8/4/2020**

## UPDATE

The UPDATE command helps us to change or modify the records that have already been inserted into a table. You can combine it with the WHERE clause to specify the record that is to be updated. Here is the syntax:

```
UPDATE tableName SET field=newValue, field2=newValue2,...
[WHERE ...]
```

The UPDATE command can also be combined with clauses such as SET, WHERE, LIMIT, and ORDER BY. You will see this shortly:

Consider the table named Price with the following records:



Let's change the price of the book with an id of 1 from 200 to 250:

```
UPDATE price
SET price = 250
WHERE id = 1;
```



The command ran successfully. You can now query the table to see whether the change took place:

The above screenshot shows that the change has been implemented. Consider the table Book with the following records:



Let us change the name of the book named Book to MariaDB Book1. Notice that the book has an id of 1. Here is the command for this:

```
UPDATE book
SET name = "MariaDB Book1"
WHERE id = 1;
```



Check whether the change has been implemented:

The above screenshot shows that the change has been implemented successfully.

In the above examples, we have only changed one column at a time. However, it is possible for us to change multiple columns at a go. Let us demonstrate this using an example.

Let us use the Price table with the following data:

```
MariaDB [Demo]> SELECT * FROM price;
+----+-------+
| id | price |
+----+-------+
|  1 |   250 |
|  2 |   250 |
|  3 |   220 |
|  4 |   190 |
|  5 |   300 |
+----+-------+
5 rows in set (0.001 sec)

MariaDB [Demo]>
```

Let us change both the id and the price of the book with an id of 5. We will change its id to 6 and price to 6. Run the following command:

```
UPDATE price
SET id = 6,
price = 280
WHERE id = 5;
```

```
MariaDB [Demo]> UPDATE price
    -> SET id = 6,
    -> price = 280
    -> WHERE id = 5;
Query OK, 1 row affected (0.079 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [Demo]>
```

Now, query the table to check whether the change was made successfully:

```
MariaDB [Demo]> SELECT * FROM price;
+----+-------+
| id | price |
+----+-------+
|  1 |   250 |
|  2 |   250 |
|  3 |   220 |
|  4 |   190 |
|  6 |   280 |
+----+-------+
5 rows in set (0.001 sec)

MariaDB [Demo]>
```

The change was made successfully.

Assignment

1. How to update records in table?