# 1. Data Modification Language

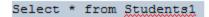
#### Step 1: Insert rows into table

```
Syntax
-- let there be N columns in a table
INSERT INTO <tableName>
(Column1Value, Column2Value, Column3Value,...,ColumnNValue), --row 1
(Column1Value, Column2Value, Column3Value, ..., ColumnNValue), --row2
(Column1Value, Column2Value, Column3Value,...,ColumnNValue) -row 3
Or
INSERT INTO <tableName> (ColumnX, ColumnY) -- List of Columns
values
(ColumnXValue, ColumnYValue), --Row 1 list of Corrrespong column values
(ColumnXValue, ColumnYValue), --Row 2
(ColumnXValue, ColumnYValue) -Row 3
Try the following
INSERT INTO [Students1] ([RollNo], [Name], [Age], [GPA], [DOB])
            (13, 'Ahmed', '20', 2.4, '1/1/1990')
GO
Try the following
INSERT INTO [Students1] ([RollNo],[Name],[GPA])
            (13, 'Ahmed', 2.4)
VALUES
GΟ
```

## Step 2: To see the data from you table use the following table

Select \* from tableName

Try the following and see the results



Results  Messages				
RollNo	Name	Age	GPA	DOB
13	Ahmed	20	2.4	1990-01-01 00:00:00.000
13	Ahmed	NULL	2.4	NULL

#### **Step 3: Delete rows from the table**

Delete from <tableName>
Where <conditions>

Try the following and see the message and data in table using select query

```
Delete from Students1
Where Age=20
```



### **Step 4: Delete all the data from the table**

Delete from <tableName> --as there is no
where condition all rows will be deleted
Or
Truncate table <tableName>

Try these two commands after adding some rows to the table and see the results.

#### **Step 5: Updating the rows**

Update tableName
set ColumnA=<NewValue>,
ColumnB=<NewValue>,
where <Conditions>

See the data in table before and after trying the following query

```
Update Students1
set Name='Ali Ahmed'
where Name='Ahmed'
```