

DML -DATA MANIPULATION LANGUAGE

DML (Data Manipulation Language) in MySQL is a subset of SQL commands used to manipulate data stored in databases. It includes commands such as **INSERT**, **UPDATE** and **DELETE**. These commands allow you to **add**, **modify** and **delete** data from the database tables.

1. INSERT:

The INSERT statement is used to add new rows of data in to a table.

Syntax:

```
INSERT INTO table_name (column1, column2, column3, ...) VALUES (value1, value2, value3, ...);
```

Example:

Consider we have student table with the columns sid,sname,result,age.

- Inserting a single row into the student table

```
INSERT INTO student VALUES(1,'Ram',60,19);
```

- Inserting a single row and specific data into student table

```
INSERT INTO student(sid,sname) VALUES (2,'Sham');
```

- Inserting multiple rows into the student table

```
INSERT INTO student (sid, sname,result,age) VALUES (3,'Smith',75,25),  
(4,'Mike',65,24);
```

2. UPDATE:

The UPDATE statement is used to modify existing rows in a table.

Syntax:

```
UPDATE table_name SET column1 = value1, column2 = value2, ...WHERE  
condition;
```

Example:

```
UPDATE student SET result= 80 WHERE sid = 1;
```

3. DELETE:

The DELETE statement is used to remove rows from a table.

Syntax:

```
DELETE FROM table_name WHERE condition;
```

Example:

```
DELETE FROM student WHERE sid = 2;
```