**MYSQL Data Manipulation Langauge (DML)**

**(base) bharathi@bharathi-HP-Pavilion-17-Notebook-PC:~$ sudo mysql -u root**

[sudo] password for bharathi:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 8

Server version: 8.0.27-0ubuntu0.20.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

**mysql> show databases;**

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| sys |

| test |

| testDB |

+--------------------+

6 rows in set (0.05 sec)

**mysql> use test;**

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> create table student ( id int, name varchar(20), DOB date);

Query OK, 0 rows affected (1.16 sec)

mysql> desc student;

+-------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------+-------------+------+-----+---------+-------+

| id | int | YES | | NULL | |

| name | varchar(20) | YES | | NULL | |

| DOB | date | YES | | NULL | |

+-------+-------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

**INSERT INTO**

**Syntax :**

**insert into tablename values(col1,col2,col3,col4,.....);**

**insert into tablename(colname1,colname2,....) values(col1,col2,...)**

mysql> insert into student values( 21001, 'aaa', '1999-11-06');

Query OK, 1 row affected (0.25 sec)

**TO VIEW TABLE :**

**Mysql > select \* from tablename;**

**Mysql > select col1,col2,.... from tablename;**

mysql> select \* from student;

mysql > select id,name,DOB from student;

+-------+------+------------+

| id | name | DOB |

+-------+------+------------+

| 21001 | aaa | 1999-11-06 |

+-------+------+------------+

1 row in set (0.00 sec)

**To view set of columns in a table:**

mysql> select id,name from student;

+-------+------+

| id | name |

+-------+------+

| 21001 | aaa |

| 21003 | ccc |

+-------+------+

2 rows in set (0.00 sec

**INSERT Multiple values**

mysql> insert into student (id,name, DOB) values( 21002, 'bbb', '1999-12-06'),

(21003,'ccc', '1999-10-07');

Query OK, 2 rows affected (0.13 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from student;

+-------+------+------------+

| id | name | DOB |

+-------+------+------------+

| 21001 | aaa | 1999-11-06 |

| 21002 | bbb | 1999-12-06 |

| 21003 | ccc | 1999-10-07 |

+-------+------+------------+

3 rows in set (0.00 sec)

**2) Update**

mysql>update tablename set colname=value where condition;

mysql>update student set name ='deva' where id =21002;

Query OK, 1 row affected (0.23 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from student;

+-------+------+------------+

| id | name | DOB |

+-------+------+------------+

| 21001 | aaa | 1999-11-06 |

| 21002 | ddd | 1999-12-06 |

| 21003 | ccc | 1999-10-07 |

+-------+------+------------+

3 rows in set (0.00 sec)

**Where clause**

mysql> Select \* from student where id=21002;

+-------+------+------------+

| id | name | DOB |

+-------+------+------------+

| 21002 | ddd | 1999-12-06 |

+-------+------+------------+

1 row in set (0.00 sec)

### DELETE

Mysql > delete from tablename where condition;

mysql> delete from student where id=21002

-> ;

Query OK, 1 row affected (0.13 sec)

mysql> select \* from student;

+-------+------+------------+

| id | name | DOB |

+-------+------+------------+

| 21001 | aaa | 1999-11-06 |

| 21003 | ccc | 1999-10-07 |

+-------+------+------------+

2 rows in set (0.00 sec)