

## Day 23 (01/09/23): (Sql Syntax to modify data in database)

### Create a database:

Cmd: mysql> create database database\_name;

Output: Query OK, 1 row affected (0.01 sec)

### Choose Database:

Cmd: mysql> use besant\_db;

output: Database changed

### Create a table:

cmd: mysql> create table python\_student(id int,firstname varchar(255),lastname varchar(255),fees varchar(255),adress varchar(255));

output: Query OK, 0 rows affected (0.01 sec)

### Drop (Delete) a table:

cmd: mysql> drop table python\_student;

output: Query OK, 0 rows affected (0.01 sec)

### Truncate a table: (Delete only the data from the table)

cmd: mysql> truncate table python\_student;

output: Query OK, 0 rows affected (0.01 sec)

### Insert a data in table:

cmd: insert into python\_student(id,firstname,lastname,fees,adress) values (1,'Virat','Kholi','Paid','Mumbai');

output: Query OK, 1 row affected (0.01 sec)

	id	firstname	lastname	fees	adress
▶	1	Virat	Kholi	Paid	Mumbai
	2	MS	Dhoni	Not Paid	Delhi

### View the data:

cmd: select \* from python\_student;

output:

id	firstname	lastname	fees	adress
1	Virat	Kholi	Paid	Mumbai
2	MS	Dhoni	Not Paid	Delhi

2 rows in set (0.00 sec)

cmd: select fees,adress from python\_student;

output:

```

+-----+-----+
| fees   | adress |
+-----+-----+
| Paid   | Mumbai |
| Not Paid | Delhi  |
+-----+-----+
2 rows in set (0.00 sec)

```

### Order the data: (Using Order by:)

cmd: select \* from python\_student order by adress;

output:

```

+-----+-----+-----+-----+-----+
| id   | firstname | lastname | fees | adress |
+-----+-----+-----+-----+-----+
| 2    | MS        | Dhoni    | Paid | Chennai |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```

### Change the data from database:

cmd: update python\_student set fees='Paid' where id=2;

output: Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

cmd: mysql> update python\_student set adress='Chennai' where id=2;

output: Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

### Delete the data from database:

cmd: delete from python\_student where adress='Mumbai';

output: Query OK, 1 row affected (0.01 sec)

Use (and, or, & not) Logical operators to specify the needed data with more accuracy.

Other syntax:

Sql operations: max and min, count, sum, average.

Sql Joins: inner join, left join, full join, right join.

Sql Venn: union, intersection, group by, having

Primary Key:

Foreign Key:

Note: Use Sql course from W3schools.com