## 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:

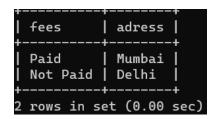
cmd: select \* from python\_student;

output:

	   firstname			adress				
1	Virat	Kholi						
rows in set (0.00 sec)								

cmd: select fees,adress from python\_student;

output:



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

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

output:

# 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