

Database Connectivity

1.Run this command in cmd:- pip install mysql-connector-python

2.Creating Database And Table:-

show databases;

use student_db;

show tables;

```
+-----+
| Tables_in_student_db |
+-----+
| students      |
+-----+
1 row in set (0.00 sec)
```

3.Desc Cmd Use:-

desc students;

```
+-----+-----+-----+-----+-----+-----+
| Field | Type    | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int     | NO   | PRI | NULL    | auto_increment |
| name  | varchar(100) | YES |     | NULL    |               |
| age   | int     | YES  |     | NULL    |               |
| course | varchar(100) | YES |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

4.Data Added Into Table Through Front-End:-

select * from students;

```
+----+-----+-----+-----+
| id | name  | age | course |
+----+-----+-----+-----+
| 1  | Sakshi | 20  | AI     |
| 2  | Pragati | 20  | DS     |
| 3  | Siddhi | 20  | ML     |
| 4  | Mahima | 20  | JAVA   |
| 5  | Bhakti | 20  | PYTHON |
+----+-----+-----+-----+
5 rows in set (0.00 sec)
```

5. Data Updated Into Table Through Front-End:-

select * from students;

```
+----+-----+-----+-----+
| id | name  | age | course |
+----+-----+-----+-----+
| 1 | Sakshi | 19 | AI   |
| 2 | Pragati | 20 | DS   |
| 3 | Siddhi | 20 | ML   |
| 4 | Mahima | 20 | JAVA |
| 5 | Bhakti | 20 | PYTHON |
+----+-----+-----+-----+
5 rows in set (0.00 sec)
```

6.Data Deleted From Table Through Front-End:-

select * from students;

```
+----+-----+-----+-----+
| id | name  | age | course |
+----+-----+-----+-----+
| 1 | Sakshi | 19 | AI   |
| 2 | Pragati | 20 | DS   |
| 3 | Siddhi | 20 | ML   |
| 4 | Mahima | 20 | JAVA |
+----+-----+-----+-----+
4 rows in set (0.00 sec)
```