

ASSIGNMENT _ 2

AIM:

To write the code for the MySQL connector in python , and to perform the basic operations such as creation , updation, insertion , deletion in the table.

CREATION OF THE TABLE:

Connecting the MySQL Database with the python

```
Connected to MySQL database!
Table 'Student' created successfully.

Menu:
1.Insert data
2.Update data
3.Delete data
4.Insert bulk data
5.Run procedure
6.Select data
7.Exit
```

Displaying the table in the database

```
MariaDB [Sample]> desc Student;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Name       | varchar(100)  | YES  |     | NULL    |       |
| Department | varchar(100)  | YES  |     | NULL    |       |
| Year       | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.003 sec)
```

INSERTION IN THE TABLE:

```
Enter your choice:1
Insertion of data:
-----
Enter Name:Jeevanantham
Enter Department:IT
Enter year of Study:3
Data inserted successfully.
```

BULK INSERTION IN THE TABLE:

```
Enter your choice:4
Insertion of bulk data:
-----
Enter number of inputs:5
Enter Name:Jesica
Enter Department:IT
Enter Year of Study:3
Enter Name:Abinesh
Enter Department:IT
Enter Year of Study:2
Enter Name:Jaikiran
Enter Department:IT
Enter Year of Study:4
Enter Name:Maniish
Enter Department:IT
Enter Year of Study:3
Enter Name:Dhanushri
Enter Department:IT
Enter Year of Study:3
Bulk data inserted successfully.
```

DISPLAYING THE TABLE DATA:

```
Enter your choice:6
Display data:
-----
Selected data:
('Jeevanantham', 'IT', 3)
('Jesica', 'IT', 3)
('Abinesh', 'IT', 2)
('Jaikiran', 'IT', 4)
('Maniish', 'IT', 3)
('Dhanushri', 'IT', 3)
```

DISPLAYING THE TABLE IN THE DATABASE:

```
MariaDB [Sample]> select * from Student;
+-----+-----+-----+
| Name          | Department | Year |
+-----+-----+-----+
| Jeevanantham  | IT        | 3   |
| Jesica        | IT        | 3   |
| Abinesh       | IT        | 2   |
| Jaikiran      | IT        | 4   |
| Maniish       | IT        | 3   |
| Dhanushri     | IT        | 3   |
+-----+-----+-----+
6 rows in set (0.000 sec)
```

UPDATION OF THE DATA:

```
Enter your choice:2
Updation of data:
-----
Enter data to be updated:Year
Enter value to be updated:3
Enter whose data to be updated:Jaikiran
Data updated successfully.
```

AFTER UPDATION:

```
Selected data:
('Jeevanantham', 'IT', 3)
('Jesica', 'IT', 3)
('Abinesh', 'IT', 2)
('Jaikiran', 'IT', 3)
('Maniish', 'IT', 3)
('Dhanushri', 'IT', 3)
```

DELETION OF THE DATA:

```
Enter your choice:3
Deletion of data:
-----
Enter name:Maniish
Data deleted successfully.
```

AFTER THE DELETION:

```
Selected data:  
( 'Jeevanantham', 'IT', 3)  
( 'Jesica', 'IT', 3)  
( 'Abinеш', 'IT', 2)  
( 'Jaikiran', 'IT', 3)  
( 'Dhanushri', 'IT', 3)
```

Result:

Thus the MySQL Database has been connected with the python , and the basic operation has been successfully performed.