**Experiment 12**

**Aim**: To implement connectivity between GUI frame and mysql database.

**Theory:**

Steps to Perform CRUD Operations Python Mysql Database Connectivity.

**Step 1**: Install Mysql in Windows

First you must install a MySQL , use the s installation method below

1. Click on **MySQL** Installer. ...
2. Click Download button. ...
3. Click No thanks… ...
4. Click Next to bring up a screen to choose products for **installation**.
5. Expand **MySQL** Server and choose **MySQL** Server **5.7**. ...
6. Set up **MySQL** root password. ...
7. Click Next. ...
8. Leave the advanced setting as is.

**Step 2**: Install MySQL Driver

Python needs a MySQL driver to access the MySQL database.

we will use the driver "MySQL Connector".

PIP to install "MySQL Connector".

PIP is most likely already installed in your Python environment.

Navigate your command line to the location of PIP, and type the following:

**C:\Users\*Your Name*\AppData\Local\Programs\Python\Python36-32\Scripts> pip install mysql-connector-python**

**Step 3:**Test MySQL Connector

To test if the installation was successful, or if you already have "MySQL Connector" installed, create a Python page with the following content:

**import mysql.connector**

**Step 4:**Create Connection

Start by creating a connection to the database.

Use the username and password from your MySQL database:

import mysql.connector

mydb = mysql.connector.connect(

host="localhost",

user="*yourusername*",

password="*yourpassword*"

)

print(mydb)

Conclusion: Thus studied to establish connectivity with database.