XAMPP MySQL Database Setup and Python Interaction -
Comprehensive Documentation

This documentation provides an in-depth guide on creating a simple SQL database using XAMPP, setting up MySQL, and interacting with the database using a Python script. The documentation covers installation, usage, and important details for each step.

Task Overview:

The goal is to create a MySQL database using XAMPP and interact with it through a Python script in Visual Studio. The process involves installing XAMPP, configuring MySQL, creating a database and table, installing the necessary Python module (`MySQL-connector-python`), and finally, writing and executing a Python script to interact with the database.

Step 1: Install XAMPP

Installation Instructions:

1. Download XAMPP:
- Visit the [official XAMPP website](https://www.apachefriends.org/index.html) and download the appropriate version for your operating system.

2. Installation:
- Run the installer and follow the on-screen instructions.
- During installation, ensure that MySQL is selected as one of the components to be installed.

Step 2: Start XAMPP and MySQL

Usage Instructions:

1. Start XAMPP Control Panel:
- After installation, launch the XAMPP control panel.

2. Start Services:
- In the control panel, start both the Apache and MySQL services.

Step 3: Access PHPMyAdmin

#Usage Instructions:

1. Open PHPMyAdmin:
- Open your web browser and navigate to `http://localhost/phpmyadmin/`.
- Log in to PHPMyAdmin with the username "Takihost" and leave the password field blank.

Step 4: Create a Database

#Usage Instructions:

1. Create Database:**
- First of all, we check the connection with MySQL and Python In Visual Studio
- Then we create a file name " Creat_Database" and create a database called 'pythondb'.

Step 5: Create a Table

- Inside your creat_Table file, we create a table.

```sql
CREATE TABLE IF NOT EXISTS users (
   Emp_ID  INT,
   Emp_Name  VARCHAR(100)\,
   Designation  VARCHAR(100)
   Salary  DECIMAL(15,2)
```

Step 6: Insert all data

Step 7: Select data

Srep 8: Update data

Step 9: delete data