**Step 1: Install XAMPP**

* **Download XAMPP** from here.
* **Install** XAMPP by following the installation instructions provided on the website.

**Step 2: Open XAMPP Control Panel**

1. **Launch XAMPP** from the Start menu or by clicking the desktop shortcut.
2. The **XAMPP Control Panel** will open.

**Step 3: Start Apache and MySQL**

1. In the XAMPP Control Panel, click on the **Start** button next to **Apache** to start the web server.
   * Apache will run on **port 80** by default.
   * This will allow you to serve HTML, PHP, and other files through your browser.
2. Then, click **Start** next to **MySQL** to start the database server.
   * MySQL will run on **port 3306** by default.
   * This allows you to store data in the database.

**Step 4: Resolve Port Conflicts (If Apache or MySQL Doesn't Start)**

* If **Apache** or **MySQL** doesn't start, it could be due to port conflicts. Here's how to resolve them:
  1. **For Apache (Port 80)**:
     + Open **XAMPP Control Panel** and click **Config** next to Apache.
     + Select **httpd.conf**.
     + Search for the line Listen 80 and change it to Listen 8080 (or any other available port).
     + Save and close the file.
     + Restart Apache by clicking **Stop** and then **Start** again.
  2. **For MySQL (Port 3306)**:
     + If MySQL is not starting, the port **3306** may be in use by another application.
     + Open **XAMPP Control Panel**, click **Config** next to MySQL, and choose **my.ini**.
     + Search for 3306 and change it to 3307 (or any other available port).
     + Save and restart MySQL.

**Step 5: Access Your Website**

1. Open a **web browser** (e.g., Chrome, Firefox).
2. In the **address bar**, type the following URL:
   * http://localhost/Project4/index.html to access your project.
   * Make sure your project folder is in the **htdocs** folder of your XAMPP installation (e.g., C:\xampp\htdocs\Project4).
3. Press **Enter** to open your project.

**Step 6: Access phpMyAdmin**

* To manage your database, use **phpMyAdmin**:
  1. Open a web browser and go to the following URL:

http://localhost/phpmyadmin

* 1. This will open the **phpMyAdmin** login page.
  2. **Log in** with the default credentials:
     + Username: **root**
     + Password: (Leave it blank)
  3. Once logged in, you can view and manage your databases.

**Step 7: Inserting Data into MySQL Using Form (Optional)**

1. Navigate to [**http://localhost/Project4/index.html**](http://localhost/Project4/index.html).
2. Enter data (e.g., email, password) in the form and click **Login**.
3. The data will be sent to **store\_data.php**, which will insert it into your MySQL database.
4. You can view the data in **phpMyAdmin**:
   * Go to http://localhost/phpmyadmin.
   * Select your **database** (e.g., my\_database).
   * Click on the **users** table to see the inserted records.

Project runs from…

C:\xampp\htdocs\Project4

// Execute the query

if ($stmt->execute()) {

echo "New user registered successfully.";

// Redirect to a new page (e.g., welcome.html or dashboard.html)

header("Location: welcome.html");

exit; // Make sure to exit after redirect

} else {

echo "Error: " . $stmt->error;

}

#if MYSQL doesn’t starts on port 3306

**Step 1: Identify the Process Using Port 3306**

1. **Open Command Prompt** as Administrator:
   * Press Win + X and select **Command Prompt (Admin)** or **Windows PowerShell (Admin)**.
2. Run the following command to identify the process using port 3306:

Copy code

netstat -ano | findstr :3306

* + This will show a line similar to:

yaml

Copy code

TCP 0.0.0.0:3306 0.0.0.0:0 LISTENING 1234

* + - The number at the end (1234 in this case) is the **PID** (Process ID) of the process using port 3306.

**Step 2: Terminate the Process**

1. Once you have the PID, run the following command to terminate the process:

r

Copy code

taskkill /PID 1234 /F

* + Replace 1234 with the actual PID from the previous command.

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https://93c2-2409-40c2-b-23eb-2426-c950-af6a-111a.ngrok-free.app/Project4