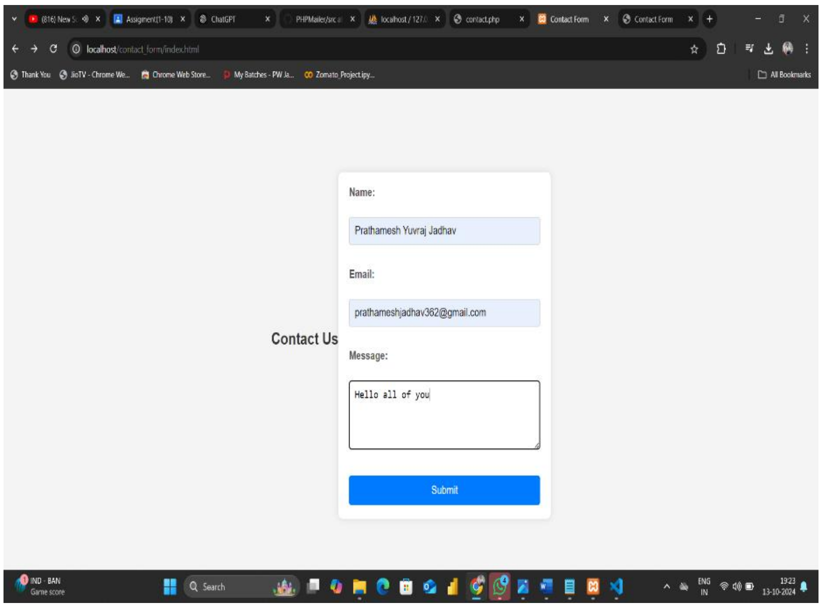
Assignment No.6

Program-:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact Form</title>
</head>
<body>
    <h1>Contact Us</h1>
    <form action="contact.php" method="POST">
        <label for="name">Name:</label><br>
        <input type="text" id="name" name="name" required><br><br>
        <label for="email">Email:</label><br>
        <input type="email" id="email" name="email" required><br><br>
        <label for="message">Message:</label><br>
        <textarea id="message" name="message" rows="5" required></textarea><br><br>

        <input type="submit" value="Submit">
    </form>
</body>
</html>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Get form data
    $name = htmlspecialchars(trim($_POST['name']));
    $email = htmlspecialchars(trim($_POST['email']));
    $message = htmlspecialchars(trim($_POST['message']));
    // Validate form data
    if (!empty($name) && !empty($email) && !empty($message)) {
        // Email configuration
        $to = "prathameshjadhav362@gmail.com";
        $subject = "New contact form submission from $name";
        $body = "Name: $name\nEmail: $email\n\nMessage:\n$message";
        $headers = "From: $email\r\n";
        // Send email
        if (mail($to, $subject, $body, $headers)) {
            echo "Message sent successfully!";
        } else {
            echo "Failed to send message. Please try again later.";
        }
    } else {
        echo "All fields are required!";
    }
}
?>
```

//Output-:



localhost/contact_form/index.html

Contact Us

Name:

Prathamesh Yuvraj Jadhav

Email:

prathameshjadhav362@gmail.com

Message:

Hello all of you

Submit

Assignment No.7

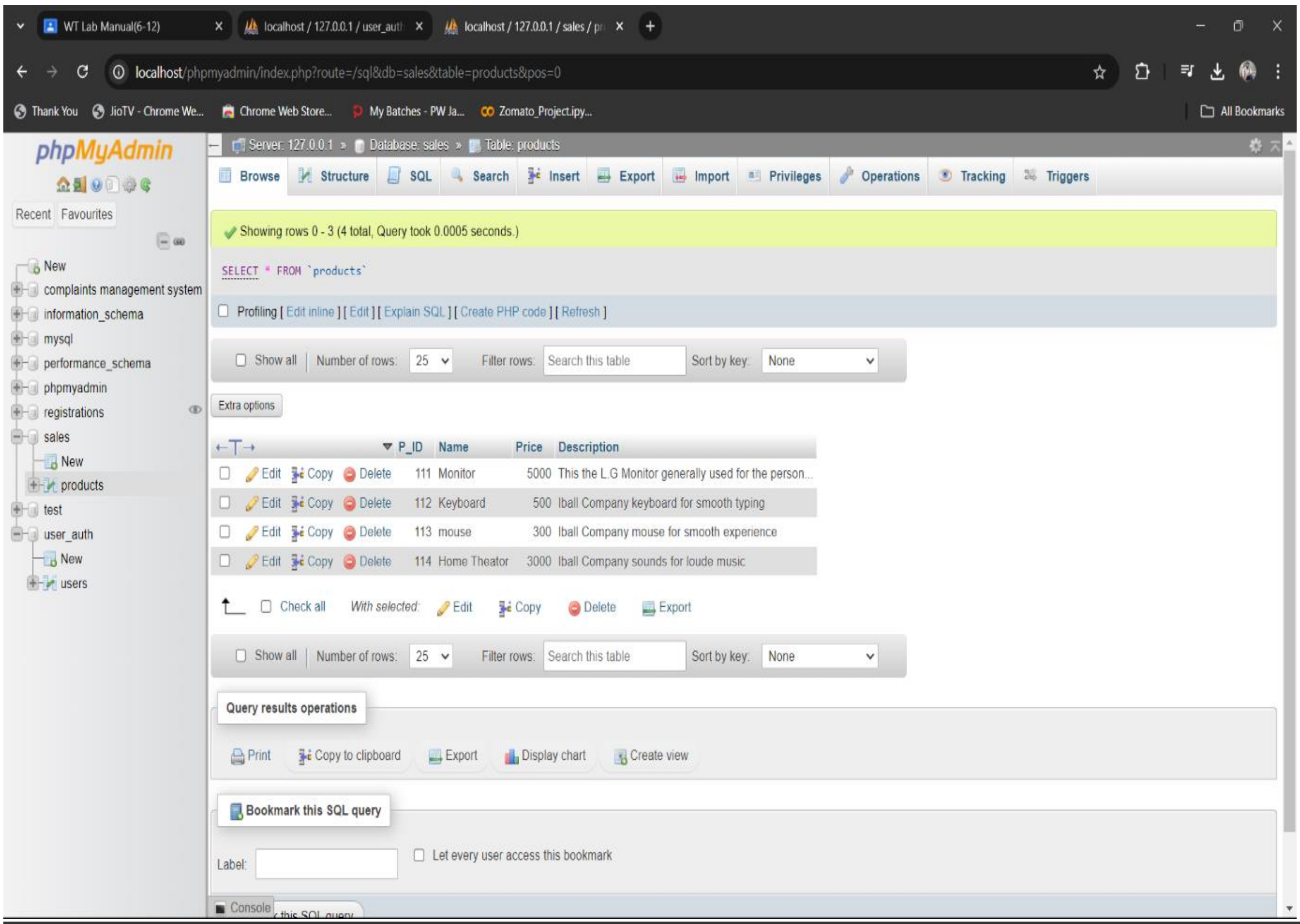
Program-:

```
<?php
// MySQL database credentials
$servername = "localhost"; // Usually 'localhost'
$username = "root"; // Database username
$password = ""; // Database password
$database = "Sales"; // Database name
// Create connection to the MySQL database
$conn = new mysqli($servername, $username, $password, $database);
// Check if connection was successful
if ($conn->connect_error) {
die("Connection failed: " . $conn->connect_error);
}
// SQL query to select all products from the table
$sql = "SELECT * FROM Products";
$result = $conn->query($sql);
?>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Product List</title>
<style>
table {
width: 50%;
border-collapse: collapse;
margin: 50px auto;
}
```

```
th, td {
padding: 10px;
border: 1px solid #ddd;
text-align: center;
}
th {
background-color: #f4f4f4;
}
</style>
</head>
<body>
<h2 style="text-align: center;">Products List</h2>
<table>
<tr>
<th>ID</th>
<th>Name</th>
<th>Price</th>
<th>Description</th>
</tr><?php
if ($result->num_rows > 0) {
// Loop through and display each row of results
while ($row = $result->fetch_assoc()) {
echo "<tr>";
echo "<td>" . $row['P_ID'] . "</td>";
echo "<td>" . $row['Name'] . "</td>";
echo "<td>" . $row['Price'] . "</td>";
echo "<td>" . $row['Description'] . "</td>";
echo "</tr>";}
} else {
echo "<tr><td colspan='4'>No products found.</td></tr>";}
$conn->close();?>
```

```
</table>

</body>

</html>
```

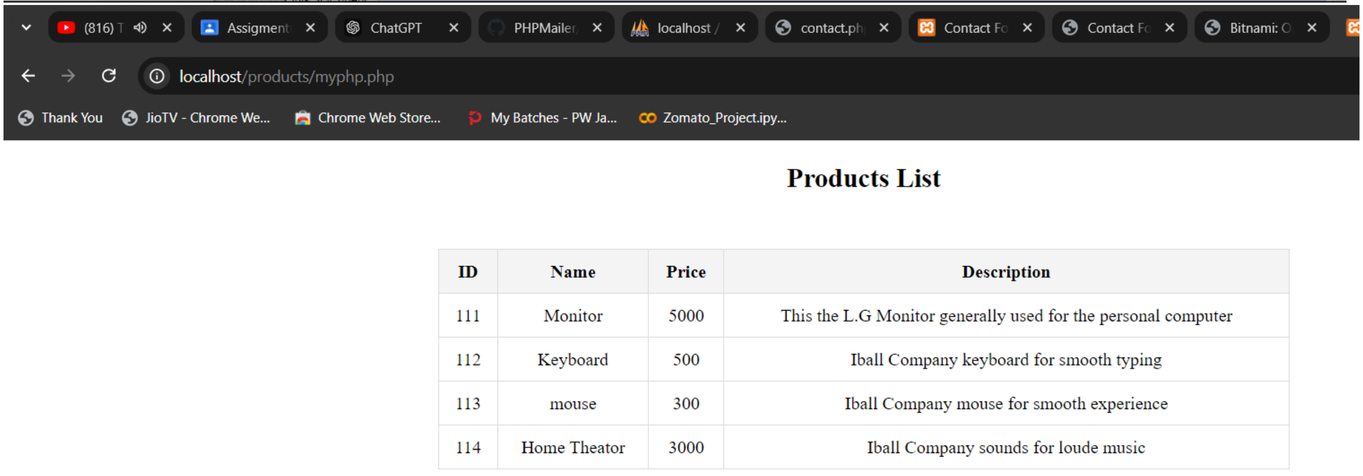
Output-:



Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

```
SELECT * FROM `products`
```

P_ID	Name	Price	Description
111	Monitor	5000	This the L.G Monitor generally used for the person...
112	Keyboard	500	Iball Company keyboard for smooth typing
113	mouse	300	Iball Company mouse for smooth experience
114	Home Theator	3000	Iball Company sounds for loude music



Products List

ID	Name	Price	Description
111	Monitor	5000	This the L.G Monitor generally used for the personal computer
112	Keyboard	500	Iball Company keyboard for smooth typing
113	mouse	300	Iball Company mouse for smooth experience
114	Home Theator	3000	Iball Company sounds for loude music

Assignment No.8

Program-:

```
<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

   <meta name="viewport" content="width=device-width, initial-scale=1.0">

   <title>Contact Form with Validation</title>

   <link rel="stylesheet" href="style.css"> <!-- Link to CSS for styling -->

</head>

<body>

   <form id="contactForm">

      <h1>Contact Us</h1>

      <label for="name">Name:</label>

      <input type="text" id="name" name="name" placeholder="Your name" required>

      <small class="error-message" id="nameError"></small>

      <label for="email">Email:</label>

      <input type="email" id="email" name="email" placeholder="Your email" required>

      <small class="error-message" id="emailError"></small>

      <label for="message">Message:</label>

      <textarea id="message" name="message" placeholder="Your message" rows="5"
required></textarea>

      <small class="error-message" id="messageError"></small>

      <input type="submit" value="Submit">

   </form>

   <script src="script.js"></script> <!-- Link to JavaScript for form validation -->

</body>

</html>
```

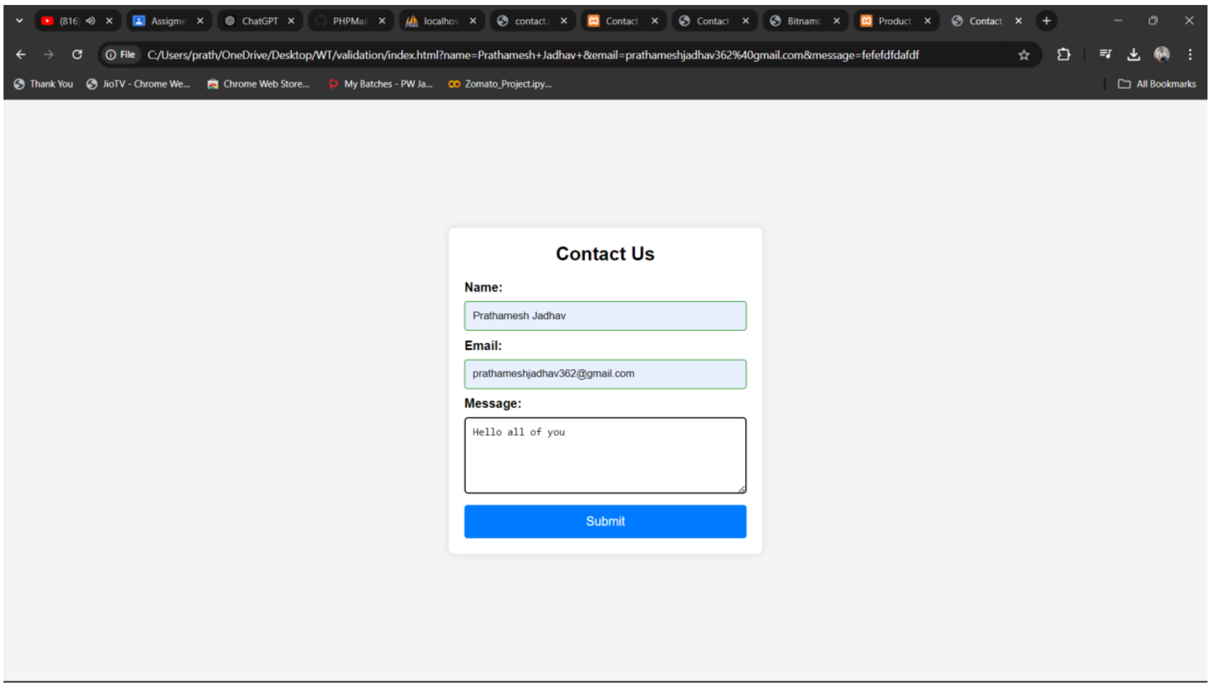
```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
}
form {
    background-color: #fff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    width: 100%;
    max-width: 400px;
}
h1 {
    text-align: center;
    margin-bottom: 20px;
    font-size: 24px;
}
label {
    display: block;
    margin-bottom: 8px;
    font-weight: bold;
}
```

```
input[type="text"],
input[type="email"],
textarea {
  width: 100%;
  padding: 10px;
  margin-bottom: 10px;
  border: 1px solid #ccc;
  border-radius: 4px;
}
input[type="submit"] {
  width: 100%;
  padding: 12px;
  background-color: #007bff;
  color: white;
  border: none;
  border-radius: 4px;
  font-size: 16px;
  cursor: pointer;
}
input[type="submit"]:hover {
  background-color: #0056b3;
}
.error-message {
  color: red;
  font-size: 12px;
  display: none;
}
// Form and input elements
const form = document.getElementById('contactForm');
const nameInput = document.getElementById('name');
const emailInput = document.getElementById('email');
const messageInput = document.getElementById('message');

// Error message elements
const nameError = document.getElementById('nameError');
const emailError = document.getElementById('emailError');
const messageError = document.getElementById('messageError');

// Helper function to show error message
function showError(input, errorElement, message) {
  errorElement.innerText = message;
  errorElement.style.display = 'block';
  input.style.borderColor = 'red';
}
// Helper function to clear error message
function clearError(input, errorElement) {
  errorElement.innerText = '';
  errorElement.style.display = 'none';
  input.style.borderColor = 'green';
}

// Name validation (min 3 characters)
nameInput.addEventListener('input', () => {
  const nameValue = nameInput.value.trim();
  if (nameValue.length < 3) {
    showError(nameInput, nameError, 'Name must be at least 3 characters');
  } else {
    clearError(nameInput, nameError);
  }
});
// Email validation (basic pattern check)
```

```
emailInput.addEventListener('input', () => {
  const emailValue = emailInput.value.trim();
  const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
  if (!emailPattern.test(emailValue)) {
    showError(emailInput, emailError, 'Please enter a valid email address');
  } else {
    clearError(emailInput, emailError);
  }
});
// Message validation (min 10 characters)
messageInput.addEventListener('input', () => {
  const messageValue = messageInput.value.trim();
  if (messageValue.length < 10) {
    showError(messageInput, messageError, 'Message must be at least 10 characters');
  } else {
    clearError(messageInput, messageError);
  }
});
// Final form submission validation
form.addEventListener('submit', (e) => {
  const nameValue = nameInput.value.trim();
  const emailValue = emailInput.value.trim();
  const messageValue = messageInput.value.trim();
  if (nameValue.length < 3) {
    showError(nameInput, nameError, 'Name must be at least 3 characters');
    e.preventDefault();
  }
  if (!/^[^\s@]+@[^\s@]+\.[^\s@]+$/.test(emailValue)) {
    showError(emailInput, emailError, 'Please enter a valid email address');
    e.preventDefault();
  }
```

```
   if (messageValue.length < 10) {

       showError(messageInput, messageError, 'Message must be at least 10
characters');       e.preventDefault();

   }

});
```

Correct Format (Validate)


C:/Users/prath/OneDrive/Desktop/WT/validation/index.html?name=Prathamesh+Jadhav+&email=prathameshjadhav362%40gmail.com&message=fefefdfdafdf

Contact Us

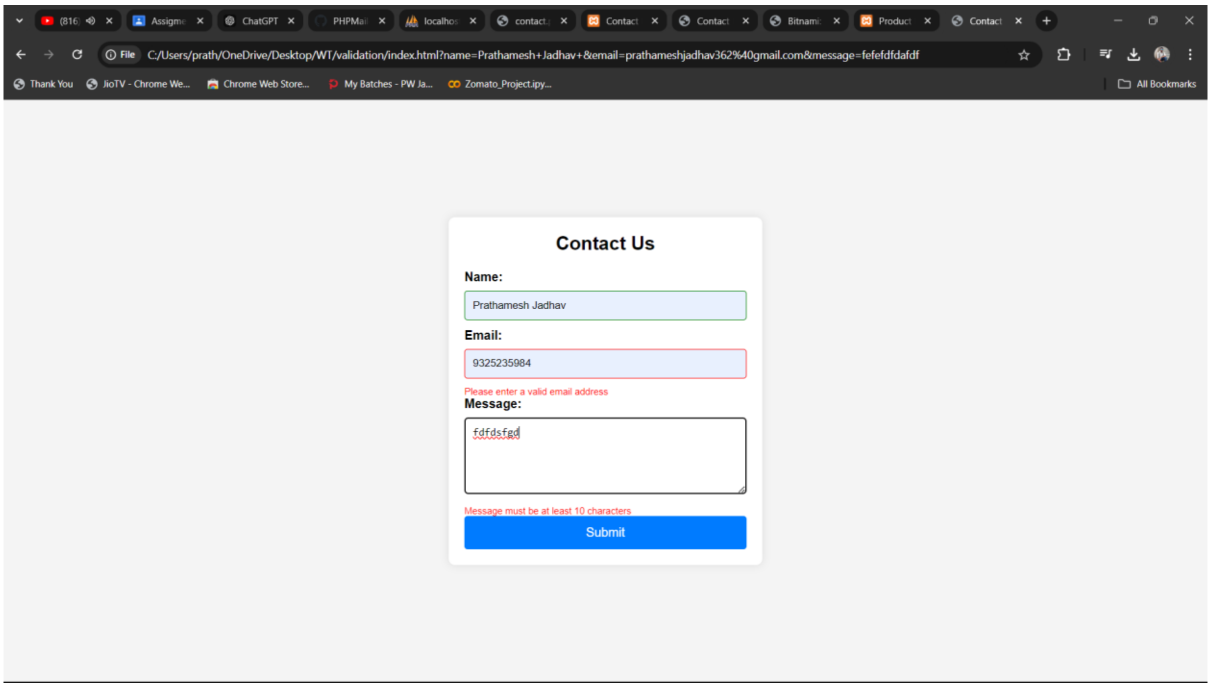
Name:
Prathamesh Jadhav

Email:
prathameshjadhav362@gmail.com

Message:
Hello all of you

Submit

Wrong Format(Invalidate)


C:/Users/prath/OneDrive/Desktop/WT/validation/index.html?name=Prathamesh+Jadhav+&email=prathameshjadhav362%40gmail.com&message=fefefdfdafdf

Contact Us

Name:
Prathamesh Jadhav

Email:
9325235984

Please enter a valid email address

Message:
fdfdsfgd

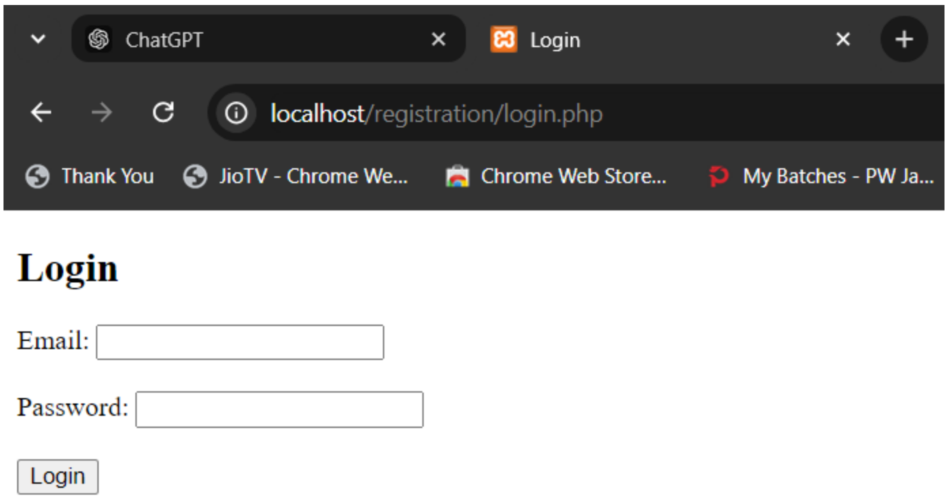
Message must be at least 10 characters

Submit

Assignment No.9

Program-:

```
<?php

session_start();


// Database connection

$conn = new mysqli("localhost", "root", "", "user_auth");


// Check for connection errors

if ($conn->connect_error) {

    die("Connection failed: " . $conn->connect_error);

}


// Handle form submission

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    $email = $conn->real_escape_string($_POST['email']);

    $password = $_POST['password'];


    // Fetch user from the database

    $result = $conn->query("SELECT * FROM users WHERE email='$email'");


    if ($result->num_rows > 0) {

        $user = $result->fetch_assoc();


        // Verify the password

        if (password_verify($password, $user['password'])) {

            $_SESSION['username'] = $user['username'];

            header("Location: dashboard.php");

            exit();

        } else {
            echo "Incorrect password!";
        }
    } else {
        echo "No user found with this email!";
    }
}

$conn->close();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login</title>
</head>
<body>
    <h2>Login</h2>
    <form action="login.php" method="POST">
        Email: <input type="email" name="email" required><br><br>
        Password: <input type="password" name="password" required><br><br>
        <input type="submit" value="Login">
    </form>
</body>
</html>

<?php
session_start();

if (!isset($_SESSION['username'])) {
    header("Location: login.php");
    exit();
}

echo "Welcome, " . $_SESSION['username'] . "!";
echo "<br><a href='logout.php'>Logout</a>";
?>

<?php
session_start();
session_destroy();
header("Location: login.php");
exit();
?>

<?php
// Database connection
$conn = new mysqli("localhost", "root", "", "user_auth");

// Check for connection errors
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Handle form submission
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = $conn->real_escape_string($_POST['username']);
    $email = $conn->real_escape_string($_POST['email']);
    $password = password_hash($_POST['password'], PASSWORD_DEFAULT);

    // Insert user into the database
    $sql = "INSERT INTO users (username, email, password) VALUES ('$username', '$email',
'$password')";

    if ($conn->query($sql) === TRUE) {
        echo "Registration successful. <a href='login.php'>Login here</a>";
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

$conn->close();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register</title>
</head>
<body>
    <h2>Register</h2>
    <form action="register.php" method="POST">
        Username: <input type="text" name="username" required><br><br>
        Email: <input type="email" name="email" required><br><br>
        Password: <input type="password" name="password" required><br><br>
        <input type="submit" value="Register">
    </form>
</body>
</html>
```

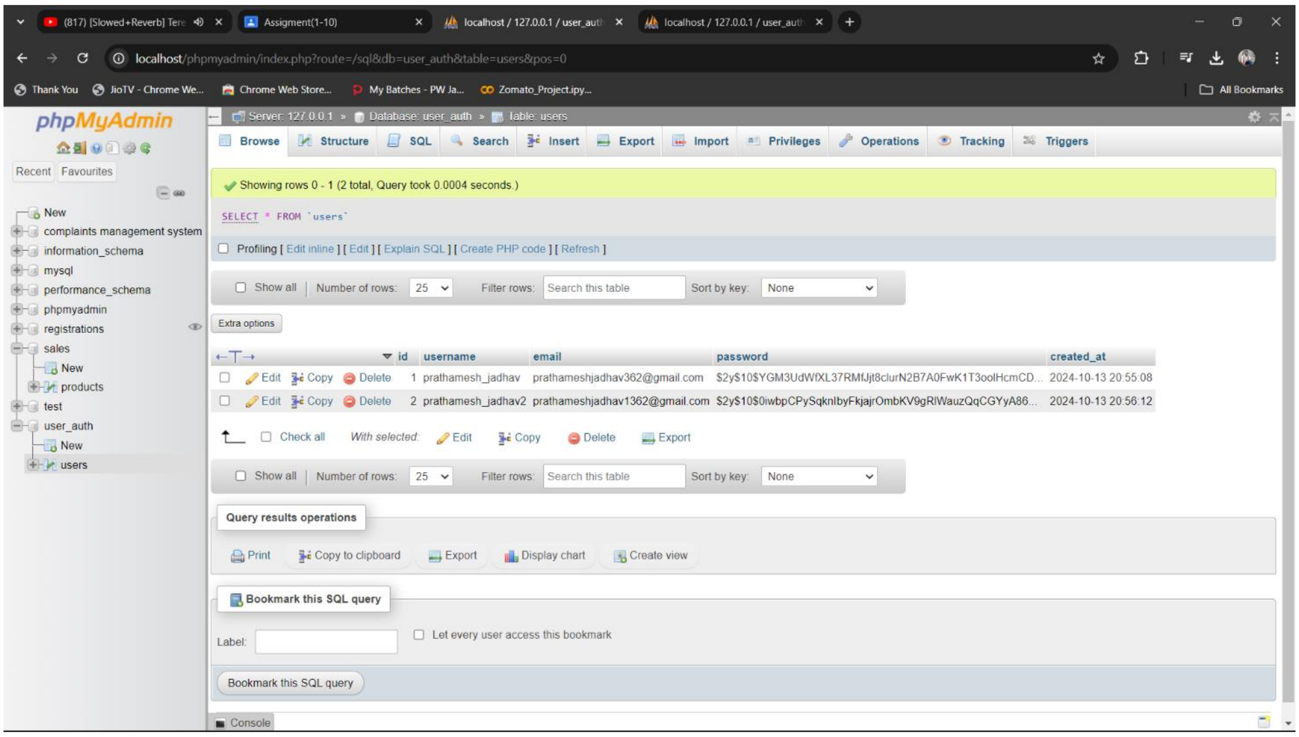


Login

Email:

Password:

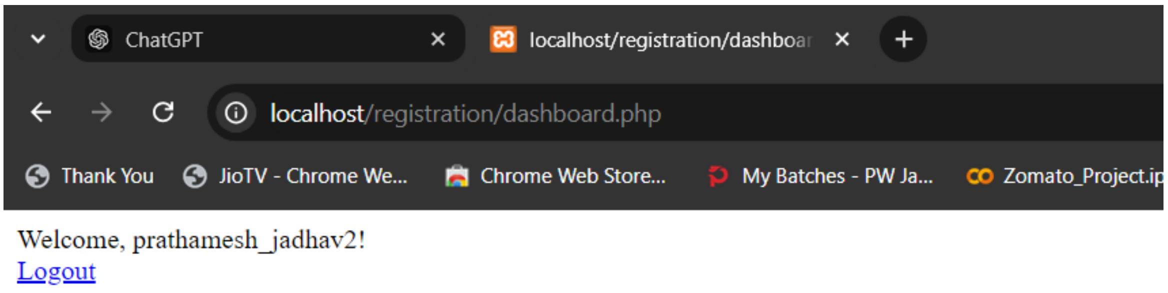
Login



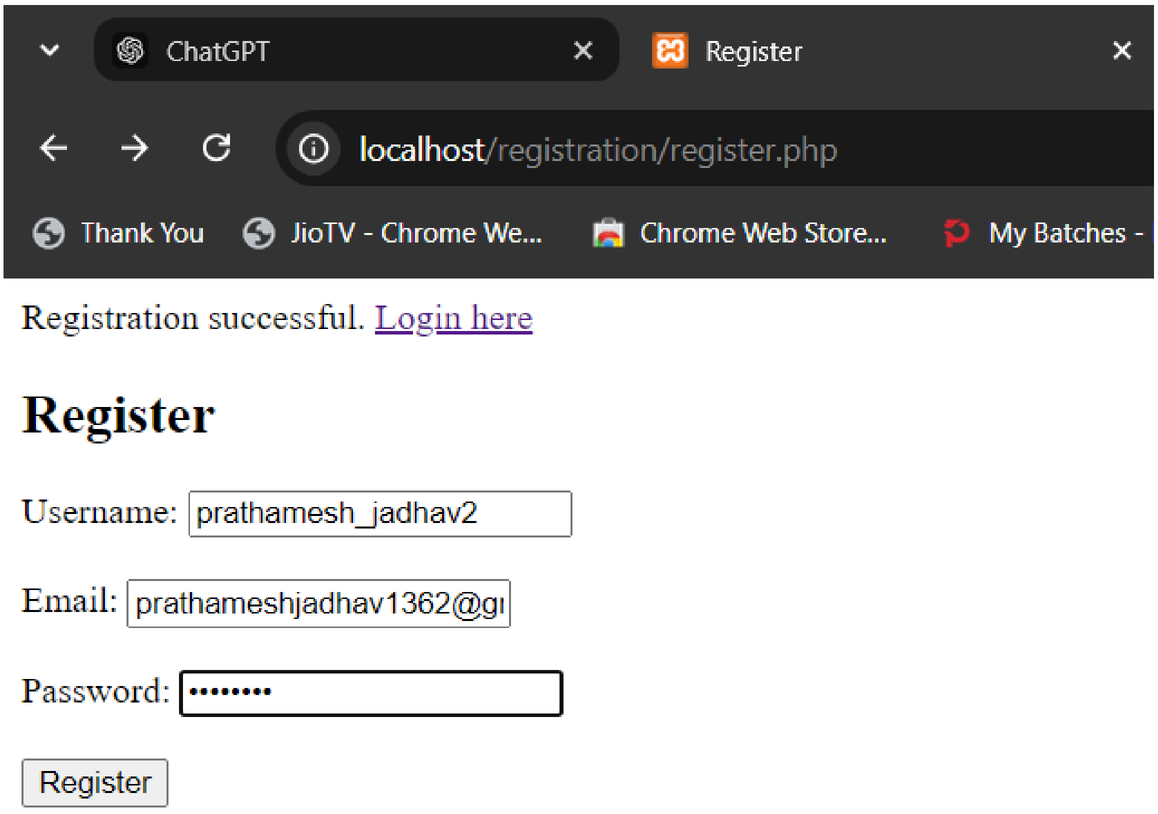
Showing rows 0 - 1 (2 total, Query took 0.0004 seconds.)

```
SELECT * FROM `users`
```

id	username	email	password	created_at
1	prathamesh_jadhav	prathameshjadhav362@gmail.com	$2y$10$YGM3UdWfXL37RMfJjt8clurN2B7A0FwK1T3oolHcmCD...	2024-10-13 20:55:08
2	prathamesh_jadhav2	prathameshjadhav1362@gmail.com	$2y$10$0iwbpCPySqknIbyFkjajrOmbKV9gRlWauzQqCGYyA86...	2024-10-13 20:56:12



Welcome, prathamesh_jadhav2!
Logout



Registration successful. Login here

Register

Username:	prathamesh_jadhav2
Email:	prathameshjadhav1362@gı
Password:	••••••••

Register

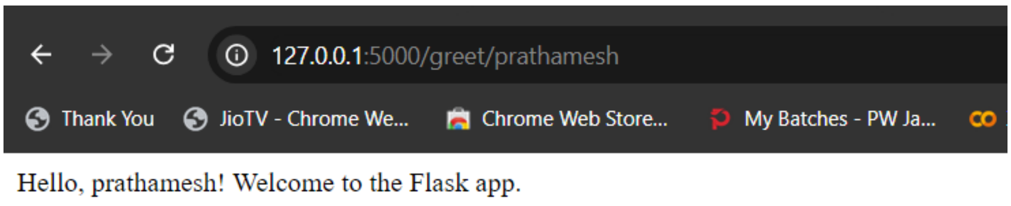
Assignment No.10

Program-:

```
from flask import Flask

app = Flask(__name__)

@app.route('/greet/<name>')

def greet(name):

    # Return a personalized greeting message

    return f"Hello, {name}! Welcome to the Flask app."

if __name__ == '__main__':

    app.run(debug=True)
```

//Output-:

```
"c:\Users\prath\OneDrive\Documents\My documents\T.Y.B.Tech_Acadmics\Project\flask_practi.py"

 * Serving Flask app 'flask_practi'

 * Debug mode: on

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

 * Running on http://127.0.0.1:5000

Press CTRL+C to quit

 * Restarting with stat

 * Debugger is active!

 * Debugger PIN: 110-974-918
```



Hello, prathamesh! Welcome to the Flask app.

Assignment No.11

Program-:

```
class Person
  # Attribute accessors for name, age, and email
  attr_accessor :name, :age, :email
  # Initialize method to set the attributes when creating a new Person object
  def initialize(name, age, email)
    @name = name
    @age = age
    @email = email
  end
  # Method to display person details
  def display_info
    puts "Name: #{@name}"
    puts "Age: #{@age}"
    puts "Email: #{@email}"
  end
end
# Create a new person object
person = Person.new("John Doe", 30, "johndoe@example.com")

person.name = "Jane Smith"
person.age = 25
person.email = "janesmith@example.com"
person.display_info
```

//Output-:

```
Name: Jane Smith
Age: 25
Email: janesmith@exam
```

Assignment No.12

Program-:

Navigate to the Project Directory

```
cd hello_rails_app
```

Start the Rails Server

```
rails server
```

Create a New Controller

```
rails generate controller Welcome index
```

Edit the Controller Action

```
class WelcomeController < ApplicationController

def index

end

end
```

Modify the View

```
<h1>Hello, Rails!</h1>
```

Set the Root Route

```
Rails.application.routes.draw do

get 'welcome/index'

# Set the root path

root 'welcome#index'

end
```

Restart the Rails Server

```
rails server
```

View the Application

http://localhost:3000

//Output-:

```
Hello, Rails!
```

MINI-PROJECT-: TASK MANAGER

1. Aim:

To develop a task manager web application that allows users to create, manage, and categorize tasks, with user authentication and project-specific categorization.

---

2. Objectives:

- Implement user authentication (signup, login, logout).
- Enable users to add, edit, and delete tasks.
- Allow categorization of tasks into different projects.
- Provide the functionality to mark tasks as complete or incomplete.
- Display upcoming tasks on the dashboard.

---

3. Theory:

Web Application Overview:

A task manager is a web application designed to help users keep track of their tasks. It offers various features like creating, updating, deleting, and organizing tasks into projects. To enhance the user experience, functionalities such as user authentication, project-based task grouping, and a dashboard displaying task status are essential.

Key Technologies:

- **HTML**: Used for structuring the web pages.
- **CSS**: Used for styling the pages.
- **PHP**: Handles server-side logic, including user authentication and task management.
- **MySQL**: Stores user and task data.

- **JavaScript (optional)**: Adds interactivity, such as handling form submissions without page refresh.

4. Tools and Technologies:

- **Languages**: HTML, CSS, PHP, SQL
- **Database**: MySQL
- **Framework (optional)**: Laravel or CodeIgniter for PHP (or pure PHP)
- **Local Server**: XAMPP or WAMP for running PHP and MySQL
- **Version Control**: Git (optional)
- **3.1 Web Application Overview:**
- A web application is a client-server software application that runs in a web browser. Unlike traditional desktop applications, web apps don't require installation and can be accessed from any device with a browser and internet connection. The task manager app you are developing is a dynamic web application designed to help users manage tasks effectively. It involves user interaction, persistent data storage, and real-time data manipulation.
- The core features of this web app include:
- **User Authentication:** To ensure that only authorized users can access the tasks.
- **Task Management:** Adding, editing, and deleting tasks for better organization.
- **Task Categorization:** Tasks can be grouped under specific projects, improving clarity.
- **Task Status Tracking:** Tasks can be marked as complete or incomplete for better task management.
- **Dashboard View:** A centralized interface to display upcoming tasks and their status, aiding users in keeping track of deadlines and priorities.
- **3.2 Client-Server Architecture:**
- The Task Manager is built on the client-server model:

- **Client-side:** The client side (frontend) consists of HTML for structure, CSS for styling, and optional JavaScript for dynamic behavior.
- **Server-side:** The server side (backend) is powered by PHP, which handles the business logic, processes data from the user, and communicates with the database.
- **Database:** MySQL is used to store user credentials, tasks, and project data, ensuring persistence across sessions.
- **3.3 HTML (HyperText Markup Language):**
- HTML is the standard language for creating web pages. It defines the structure of a webpage and organizes the content into elements like headings, paragraphs, forms, and buttons. In this project, HTML is used to create forms for user input (e.g., login forms, task creation forms), tables for displaying task lists, and buttons for user interaction (e.g., task completion or deletion).
- Key elements of HTML in the project:
- **Forms:** For user input (e.g., login, signup, task creation).
- **Tables:** For displaying tasks in an organized manner.
- **Buttons:** For handling user actions like adding, deleting, and marking tasks as complete.
- **3.4 CSS (Cascading Style Sheets):**
- CSS is used to style the HTML elements and improve the visual appeal of the web application. It controls the layout, colors, fonts, and positioning of elements on the web page.
- In this project, CSS is responsible for:
- **Layout design:** Ensuring the web pages (login, task dashboard) have a user-friendly and responsive design.
- **Styling forms and tables:** Making the input fields, buttons, and task lists visually appealing.
- **Media queries:** (optional) To make the web app responsive across different devices (e.g., mobile, tablet, desktop).
- **3.5 PHP (Hypertext Preprocessor):**

- PHP is a server-side scripting language that is embedded in HTML to manage dynamic content, databases, session management, and more. In this project, PHP is responsible for:
- **Handling User Authentication:** Checking user credentials during login, registering new users, and logging out.
- **CRUD Operations (Create, Read, Update, Delete):** PHP is used to create new tasks, read tasks from the database, update task details, and delete tasks.
- **Session Management:** Maintaining user sessions so that each logged-in user can manage their tasks independently.
- **Database Interactions:** PHP interacts with MySQL to store and retrieve data for tasks and users.
- Key PHP functions and concepts used:
- **Sessions:** $_SESSION is used to track user logins and store session information like user_id to differentiate between users.
- **Forms and POST method:** PHP processes form data sent via POST (e.g., login, task creation) and takes appropriate actions like querying the database or updating records.
- **SQL Queries:** PHP constructs and executes SQL queries to perform database operations.
- **3.6 MySQL (Relational Database Management System):**
- MySQL is an open-source RDBMS that uses Structured Query Language (SQL) to interact with databases. For this task manager application, MySQL is used to store user information, tasks, and project data. Each entity (user, task, project) is stored in a table with relationships between them (e.g., each task belongs to a project and each project belongs to a user).
- Important concepts used in MySQL for the project:
- **Tables and Relationships:** The application uses three tables (users, projects, tasks) with foreign key relationships to associate tasks with projects and projects with users.

- **CRUD Operations:** SQL commands like INSERT, SELECT, UPDATE, and DELETE are used to manage tasks and projects.
- **Data Integrity:** Constraints like NOT NULL, UNIQUE, and FOREIGN KEY ensure that data is entered correctly and relationships between tables are maintained.
- **3.7 User Authentication:**
- Authentication is the process of verifying the identity of a user. In the task manager, authentication ensures that only authorized users can access their tasks and data.
- The authentication process includes:
- **Signup:** A user provides a username and password during registration. The password is hashed using PHP's password_hash() function for security, and the username is stored in the users table.
- **Login:** When a user logs in, their username and password are checked against the hashed values in the database. If verified, a session is created, and the user is redirected to their task dashboard.
- **Logout:** When a user logs out, their session is destroyed, preventing unauthorized access to their tasks.
- **3.8 Task Management:**
- Task management is the core feature of the application. Each task is associated with a project and a user. Tasks can have attributes like title, description, due date, and status (complete or incomplete).
- The task manager allows users to:
- **Add Tasks:** Create new tasks with details like title, description, and due date.
- **Edit Tasks:** Modify task details if required.
- **Delete Tasks:** Remove tasks that are no longer needed.
- **Mark Tasks as Complete/Incomplete:** Users can toggle the status of tasks to manage progress.
- Each task is displayed on the user's dashboard, with its status and due date prominently shown, helping users prioritize their tasks.

- **3.9 Dashboard and User Interface:**
- The dashboard provides a user-friendly interface for managing tasks. It lists all tasks under their respective projects and provides options to:
- Mark tasks as complete or incomplete.
- Edit task details.
- Delete tasks.
- A well-designed dashboard improves the user experience by offering clear visibility of upcoming tasks and allowing easy interaction with task controls.

Conclusion:

This mini-project provided hands-on experience in building a simple task manager web application. By using HTML, CSS, PHP, and MySQL, we successfully implemented key features like user authentication, task management, and project-based categorization. It demonstrates the power of web technologies to create a functional and user-friendly task management system.

Program-:

```
<?php

require 'db.php'; // Include database connection


if ($_SERVER['REQUEST_METHOD'] == 'POST') {

   $username = $_POST['username'];

   $password = password_hash($_POST['password'], PASSWORD_DEFAULT);  // Hashing the password


   // Inserting user into the database

   $query = "INSERT INTO users (username, password) VALUES ('$username', '$password')";


   if ($conn->query($query)) {

      echo "User registered successfully! <a href='login.php'>Login</a>";

   } else {
        echo "Error: " . $conn->error;
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Signup</title>
    <link rel="stylesheet" href="style.css">

</head>
<body>
    <h2>Signup</h2>
    <form method="POST" action="">
        <label for="username">Username:</label>
        <input type="text" name="username" id="username" required><br><br>

        <label for="password">Password:</label>
        <input type="password" name="password" id="password" required><br><br>

        <button type="submit">Signup</button>
    </form>
</body>
</html>

<?php
session_start();
session_destroy();
```

```
header("Location: login.php");  // Redirect to login page after logout
?>

<?php
session_start();
require 'db.php';

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $username = $_POST['username'];
    $password = $_POST['password'];

    // Fetch user from the database
    $query = "SELECT * FROM users WHERE username='$username'";
    $result = $conn->query($query);

    if ($result && $result->num_rows > 0) {
        $user = $result->fetch_assoc();

        // Verify password
        if (password_verify($password, $user['password'])) {
            $_SESSION['user_id'] = $user['id'];
            header("Location: dashboard.php");  // Redirect to dashboard after login
            exit();
        } else {
            echo "Invalid password.";
        }
    } else {
        echo "No user found.";
    }
}
?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login</title>
  <link rel="stylesheet" href="style.css">

</head>
<body>
  <h2>Login</h2>
  <form method="POST" action="">
    <label for="username">Username:</label>
    <input type="text" name="username" id="username" required><br><br>

    <label for="password">Password:</label>
    <input type="password" name="password" id="password" required><br><br>

    <button type="submit">Login</button>
  </form>
</body>
</html>

<?php
$servername = "localhost";
$username = "root";  // Default XAMPP user is root
$password = "";      // Default XAMPP password is empty
$dbname = "task_manager";

// Create connection
```

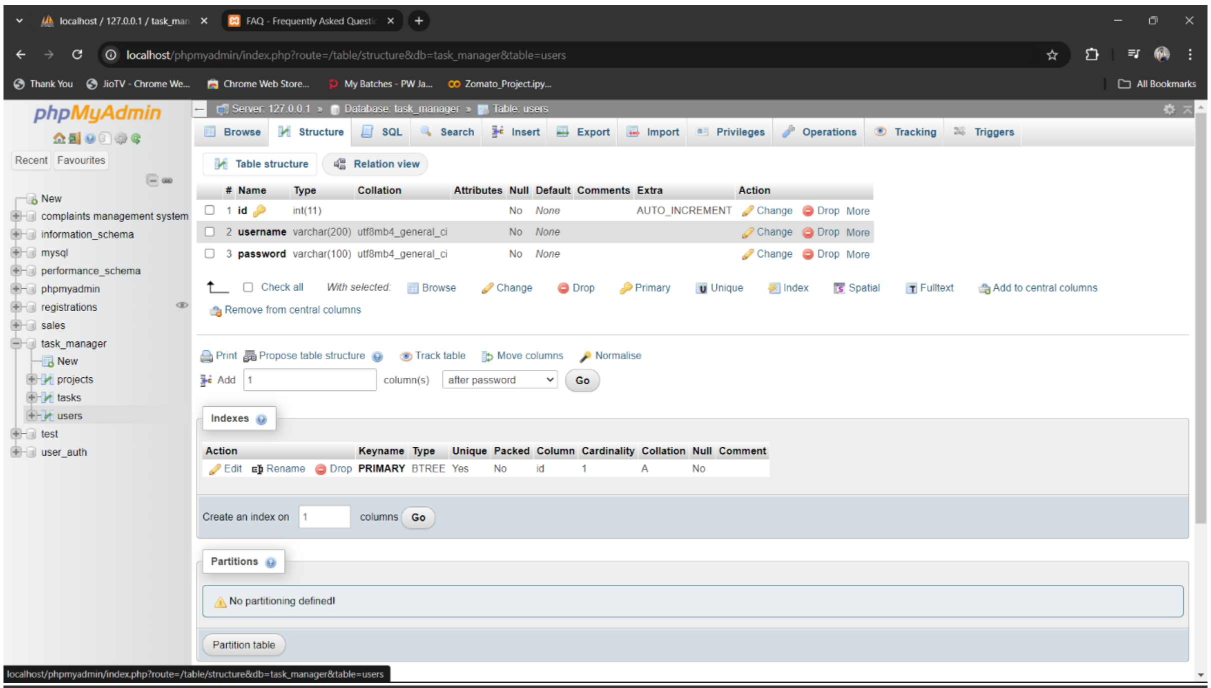
```
$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
   die("Connection failed: " . $conn->connect_error);
}
?>

<?php
session_start();
require 'db.php';

// Redirect to login if the user is not logged in
if (!isset($_SESSION['user_id'])) {
   header("Location: login.php");
   exit();
}

$user_id = $_SESSION['user_id'];

// Fetch projects and tasks for the logged-in user
$query = "SELECT * FROM projects WHERE user_id='$user_id'";
$projects = $conn->query($query);
?>

<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Dashboard</title>
```

```
    <link rel="stylesheet" href="style.css">

</head>
<body>
    <h2>Welcome to your Task Manager Dashboard</h2>
    <a href="logout.php">Logout</a>

    <h3>Your Projects</h3>
    <?php while ($project = $projects->fetch_assoc()): ?>
        <h4><?php echo $project['name']; ?></h4>
        <?php
        $project_id = $project['id'];
        $task_query = "SELECT * FROM tasks WHERE project_id='$project_id'";
        $tasks = $conn->query($task_query);
        ?>
        <ul>
            <?php while ($task = $tasks->fetch_assoc()): ?>
                <li><?php echo $task['title']; ?> - <?php echo $task['status']; ?></li>
            <?php endwhile; ?>
        </ul>
    <?php endwhile; ?>

    <a href="add_task.php">Add New Task</a>
</body>
</html>

<?php
session_start();
require 'db.php';

// Redirect to login if the user is not logged in
```

```
if (!isset($_SESSION['user_id'])) {
   header("Location: login.php");
   exit();
}

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
   $project_id = $_POST['project_id'];
   $title = $_POST['title'];
   $description = $_POST['description'];
   $due_date = $_POST['due_date'];

   // Inserting new task into the database
   $query = "INSERT INTO tasks (project_id, title, description, due_date) VALUES ('$project_id',
'$title', '$description', '$due_date')";

   if ($conn->query($query)) {
      echo "Task added successfully! <a href='dashboard.php'>Back to Dashboard</a>";
   } else {
      echo "Error: " . $conn->error;
   }
}

// Fetch user projects
$user_id = $_SESSION['user_id'];
$query = "SELECT * FROM projects WHERE user_id='$user_id'";
$projects = $conn->query($query);
?>

<!DOCTYPE html>
<html lang="en">
<head>
```

```
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Add Task</title>
    <link rel="stylesheet" href="style.css">

</head>
<body>
    <h2>Add New Task</h2>
    <form method="POST" action="">
        <label for="project">Project:</label>
        <select name="project_id" id="project" required>
            <?php while ($project = $projects->fetch_assoc()): ?>
                <option value="<?php echo $project['id']; ?>"><?php echo $project['name']; ?></option>
            <?php endwhile; ?>
        </select><br><br>

        <label for="title">Task Title:</label>
        <input type="text" name="title" id="title" required><br><br>

        <label for="description">Description:</label>
        <textarea name="description" id="description" required></textarea><br><br>

        <label for="due_date">Due Date:</label>
        <input type="date" name="due_date" id="due_date" required><br><br>

        <button type="submit">Add Task</button>
    </form>
</body>
</html>
```

Outputs-:



localhost/phpmyadmin/index.php?route=/table/structure&db=task_manager&table=users

Server: 127.0.0.1 » Database: task_manager » Table: users

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	**id**	int(11)			No	*None*		AUTO_INCREMENT	Change Drop More
☐	2	**username**	varchar(200)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	3	**password**	varchar(100)	utf8mb4_general_ci		No	*None*			Change Drop More

Add 1 column(s) after password Go

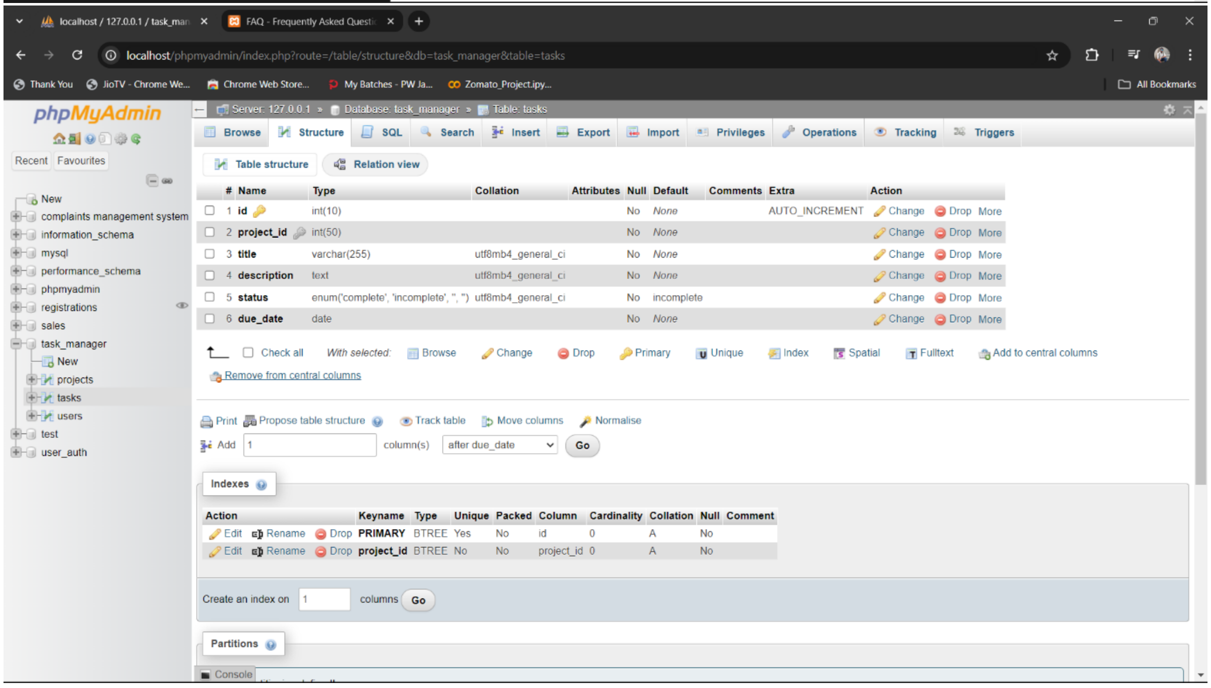
Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	**PRIMARY**	BTREE	Yes	No	id	1	A	No	

Create an index on 1 columns Go

Partitions

No partitioning defined!



localhost/phpmyadmin/index.php?route=/table/structure&db=task_manager&table=tasks

Server: 127.0.0.1 » Database: task_manager » Table: tasks

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	**id**	int(10)			No	*None*		AUTO_INCREMENT	Change Drop More
☐	2	**project_id**	int(50)			No	*None*			Change Drop More
☐	3	**title**	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
☐	4	**description**	text	utf8mb4_general_ci		No	*None*			Change Drop More
☐	5	**status**	enum('complete', 'incomplete', '', '')	utf8mb4_general_ci		No	incomplete			Change Drop More
☐	6	**due_date**	date			No	*None*			Change Drop More

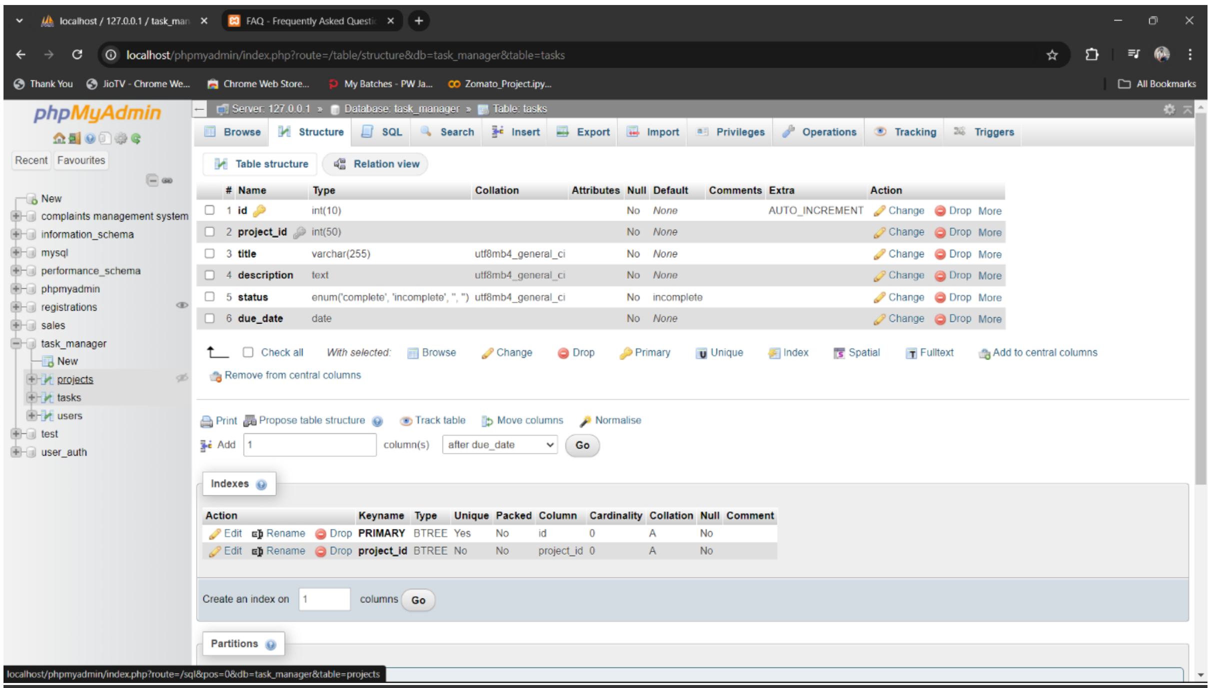
Add 1 column(s) after due_date Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	**PRIMARY**	BTREE	Yes	No	id	0	A	No	
Edit Rename Drop	**project_id**	BTREE	No	No	project_id	0	A	No	

Create an index on 1 columns Go

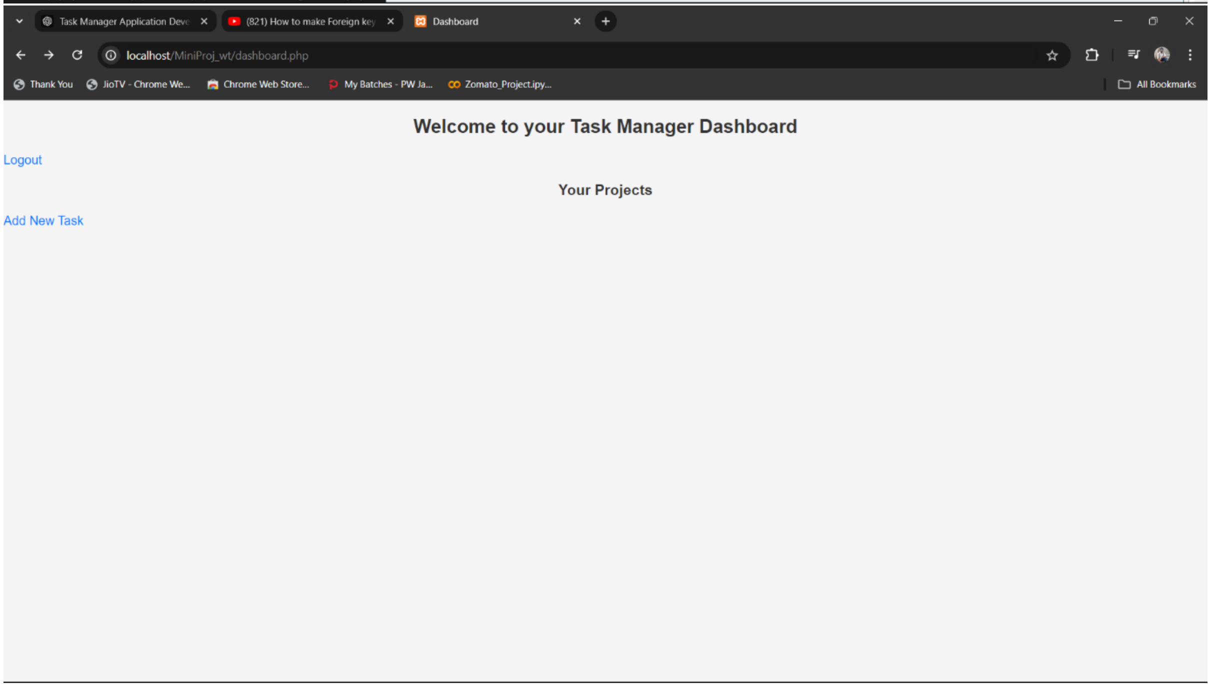
Partitions



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	**id**	int(10)			No	*None*		AUTO_INCREMENT	Change Drop More
2	**project_id**	int(50)			No	*None*			Change Drop More
3	**title**	varchar(255)	utf8mb4_general_ci		No	*None*			Change Drop More
4	**description**	text	utf8mb4_general_ci		No	*None*			Change Drop More
5	**status**	enum('complete', 'incomplete', '', '')	utf8mb4_general_ci		No	incomplete			Change Drop More
6	**due_date**	date			No	*None*			Change Drop More

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	**PRIMARY**	BTREE	Yes	No	id	0	A	No	
Edit Rename Drop	**project_id**	BTREE	No	No	project_id	0	A	No	

Create an index on
1
columns
Go
Partitions
localhost/phpmyadmin/index.php?route=/sql&pos=0&db=task_manager&table=projects

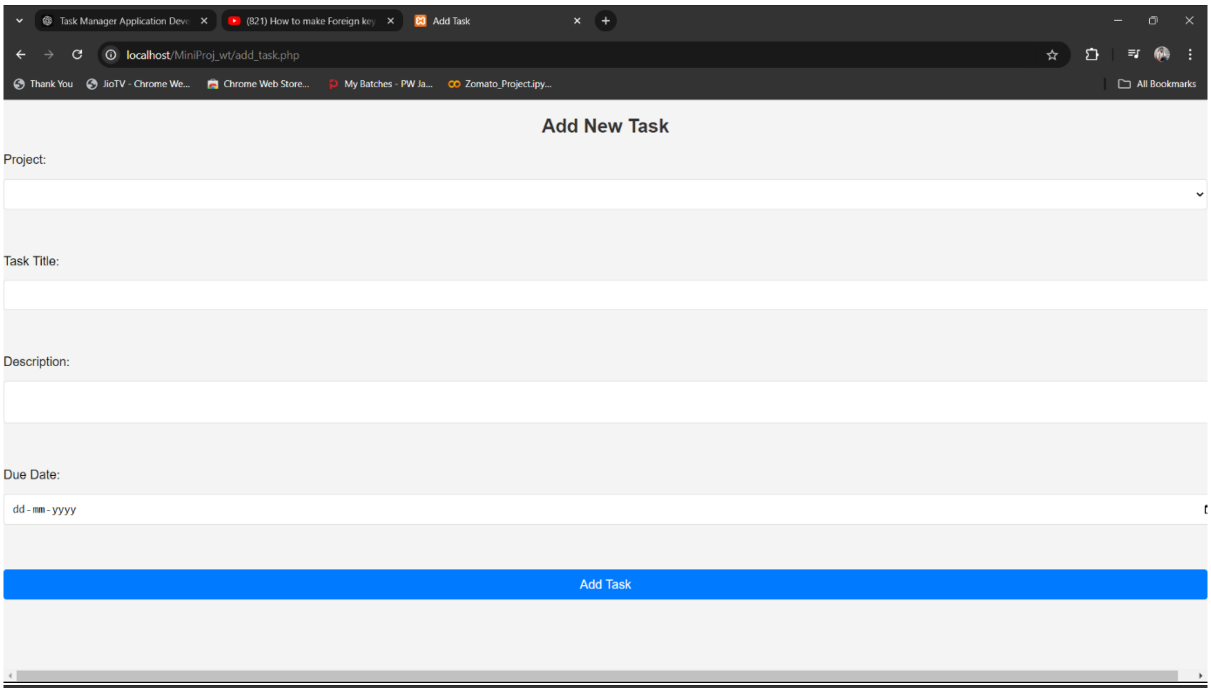

Task Manager Application Deve
(821) How to make Foreign key
Dashboard
localhost/MiniProj_wt/dashboard.php
Thank You
JioTV - Chrome We...
Chrome Web Store...
My Batches - PW Ja...
Zomato_Project.ipy...
All Bookmarks

Welcome to your Task Manager Dashboard

Logout

Your Projects

Add New Task


Task Manager Application Deve | (821) How to make Foreign key | Add Task

localhost/MiniProj_wt/add_task.php

Thank You | JioTV - Chrome We... | Chrome Web Store... | My Batches - PW Ja... | Zomato_Project.ipy... | All Bookmarks

Add New Task

Project:

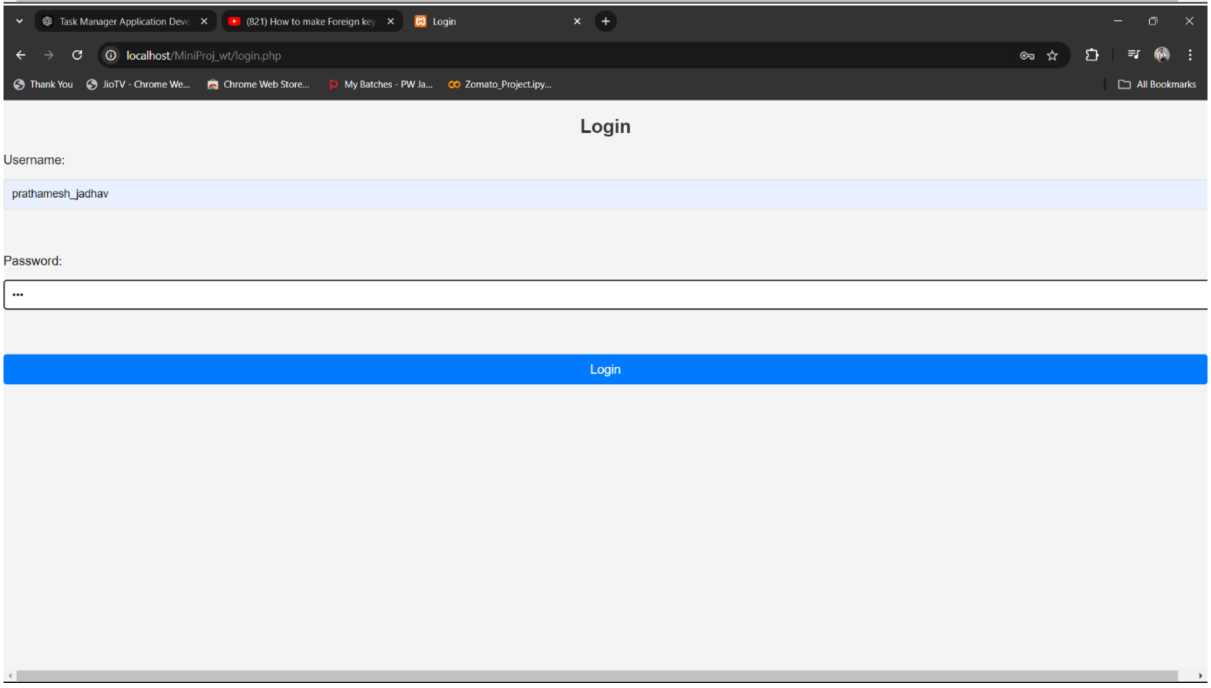
Task Title:

Description:

Due Date:

dd-mm-yyyy

Add Task


Task Manager Application Deve | (821) How to make Foreign key | Login

localhost/MiniProj_wt/login.php

Thank You | JioTV - Chrome We... | Chrome Web Store... | My Batches - PW Ja... | Zomato_Project.ipy... | All Bookmarks

Login

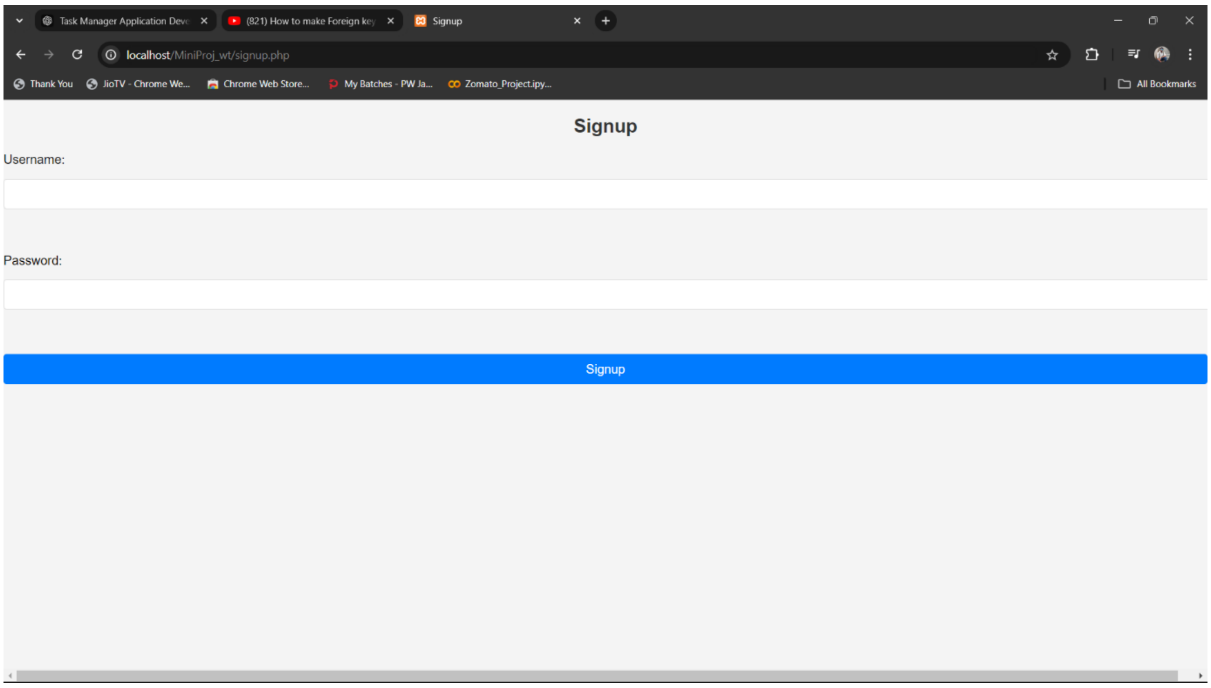
Username:

prathamesh_jadhav

Password:

•••

Login



Signup

Username:

Password:

Signup