**CORE MODULE 3**

**Web Designing**

**PRACTICAL**

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**Course : - ADIT (IBM)**

**Date : - 21-10-2024**

**Module : - Core Module 3**

**Practical : - Web Designing**

**Requirements/tools : -**

1. **Hardware: -** 
   * 1. **Working PC with Hard disk installed**
     2. **Internet connection**
2. **Software: -**
   * 1. **VS CODE**
     2. **Browser**
     3. **XAMPP or MYSQL workbench**

**Question 1: - Write a simple HTML form that includes an input for the user’s name and a submit button. How can you style this form using Bootstrap to make it look better.**

**Solution: -**

**Step-1** Open the VS Code editor and open the folder where you want to save the file and create a html file I named it question1.html .

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**Step-2** Now add basic structure to the html.

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**Step-3** Now Copy the CDN from bootstrap official websiteA screenshot of a computer

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**Step-4** Now paste the CDN in the head tag

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<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Bootstrap Form Customization</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body>

</body>

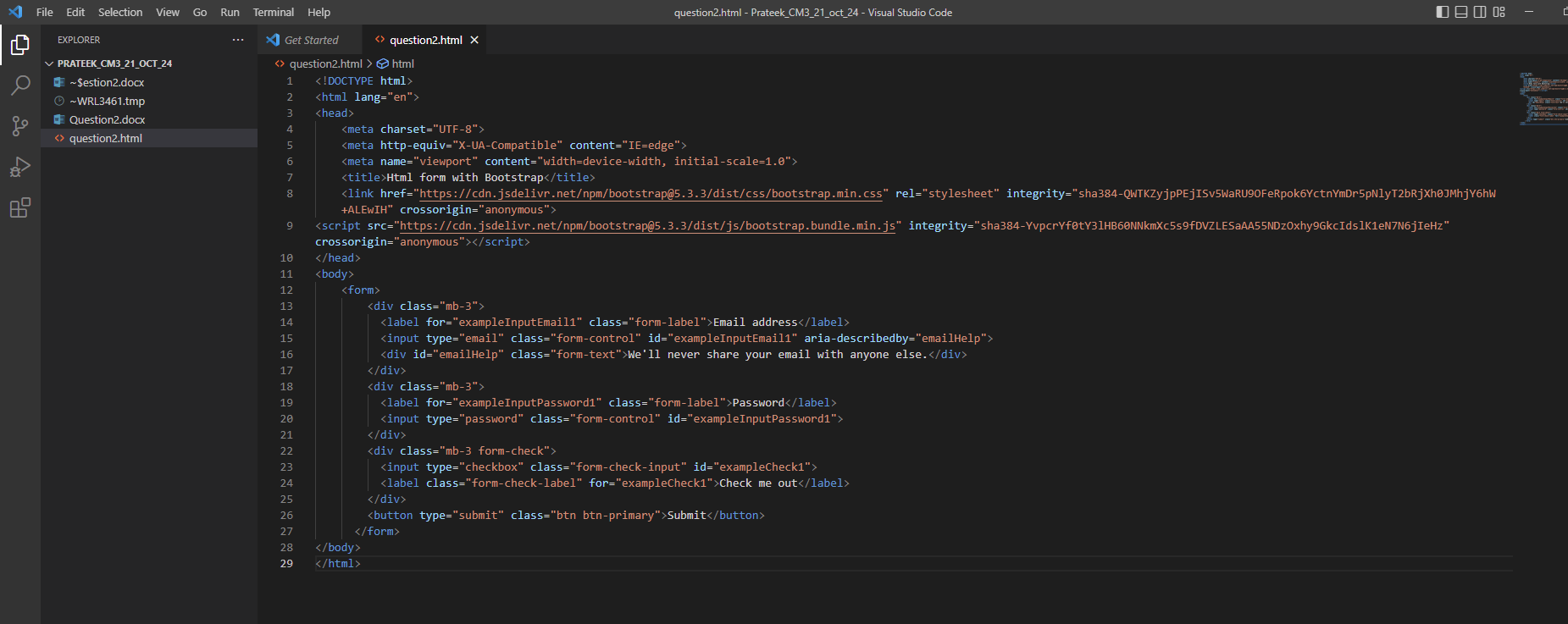
</html>

**Step-5** Now select any form you want from bootstrap and copy the code.

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**Step-6** Now paste the starter code to the code editor.



<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Html form with Bootstrap</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body>

    <form>

        <div class="mb-3">

          <label for="exampleInputEmail1" class="form-label">Email address</label>

          <input type="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp">

          <div id="emailHelp" class="form-text">We'll never share your email with anyone else.</div>

        </div>

        <div class="mb-3">

          <label for="exampleInputPassword1" class="form-label">Password</label>

          <input type="password" class="form-control" id="exampleInputPassword1">

        </div>

        <div class="mb-3 form-check">

          <input type="checkbox" class="form-check-input" id="exampleCheck1">

          <label class="form-check-label" for="exampleCheck1">Check me out</label>

        </div>

        <button type="submit" class="btn btn-primary">Submit</button>

      </form>

</body>

</html>

It should look like this

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**Step-7** Now customize the code according to the question as we need a username and a submit button and let’s customize it even more using bootstrap classes.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Bootstrap Form Customization</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

</head>

<body>

    <div class="container my-5">

        <div class="row justify-content-center">

            <div class="col-md-6">

                <div class="card shadow-sm">

                    <div class="card-body p-4">

                        <h3 class="card-title text-center mb-4">Contact Us</h3>

                        <form>

                            <div class="mb-3">

                                <label for="exampleInputEmail1" class="form-label">Email address</label>

                                <input type="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter your email">

                            </div>

                            <button type="submit" class="btn btn-primary w-100">Submit</button>

                        </form>

                    </div>

                </div>

            </div>

        </div>

    </div>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</body>

</html>

**Step-8** Now run the file in the browser and you will get the following output.

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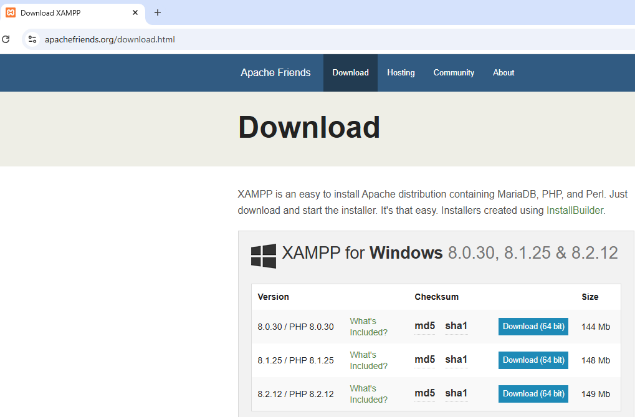
**Question 2: - Write a PHP script to insert a new record into a MYSQL table called products with fields name and price and display all the records from a product’s table where the price is Greater than 198.**

**Solution: -**

# Step 1: Set Up a Local Environment

1. Install XAMPP to set up a local server that supports PHP and MySQL.  
 - Download XAMPP from the official website: https://www.apachefriends.org/index.html  
 - Install and run Apache server and MySQL using XAMPP control panel.

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# Step 2: Create the Database and Table

1. Access phpMyAdmin via XAMPP control panel by clicking on the 'Admin' button next to MySQL than click on SQL and write following SQL queries.

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2.create the database using

create database Company;

use company;

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3. Create the 'products' table by running the following SQL command:

CREATE TABLE products (  
 id INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,  
 name VARCHAR(50) NOT NULL,  
 price DECIMAL(10, 2) NOT NULL  
 );

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# Step 3: Write the PHP Script for Inserting Data and to display all the records from where the price is greater than 198.

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "company";

// Create connection

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

// Check connection

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

}

// Insert multiple records into the products table

$sql = "INSERT INTO products (name, price) VALUES

    ('ProductA', 150),

    ('ProductB', 250),

    ('ProductC', 300),

    ('ProductD', 100),

    ('ProductE', 500)";

if ($conn->query($sql) === TRUE) {

    echo "Records inserted successfully.<br>";

} else {

    echo "Error: " . $sql . "<br>" . $conn->error;

}

// Fetch records where price is greater than 198

$sql = "SELECT id, name, price FROM products WHERE price > 198";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

    // Output data of each row

    while($row = $result->fetch\_assoc()) {

        echo "ID: " . $row["id"]. " - Name: " . $row["name"]. " - Price: " . $row["price"]. "<br>";

    }

} else {

    echo "No records found";

}

$conn->close();

?>

# Step 4: Run the Script

1. Save the file as 'insert.php' and place it in the 'htdocs' folder of your XAMPP installation.  
    - The default path is usually C:\xampp\htdocs\ on Windows or /Applications/XAMPP/htdocs/ on macOS.  
   2. Start the Apache and MySQL servers from the XAMPP control panel.  
   3. Open your web browser and go to http://localhost/question2/insert.php to run the script.

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# Step 5: Verify the Output

If the script runs correctly, the new product will be inserted and all products with a price greater than 198 will be displayed.

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