

GANPAT UNIVERSITY

U.V. PATEL COLLEGE OF ENGINEERING

B.Tech 6th Semester CE/IT
2CEIT6PE1: Web Technology

Practical-10

Aim: Develop PHP Program using Third-Party API.

Exercise-1:

Develop PHP Program using Third-Party API.

Code:

Index.php

```
<!DOCTYPE html>
<html>
<head>
  <title>Weather App</title>
</head>
<body>

<h2>Select a City</h2>

<form method="post">
  <label for="city">City:</label>
  <select id="city" name="city">
    <option value="London">London</option>
    <option value="New-York">New-York</option>
    <option value="Tokyo">Tokyo</option>
    <option value="Ahmedabad">Ahmedabad</option>
    <option value="Gandhinagar">Gandhinagar</option>
    <option value="Mehsana">Mehsana</option>
    <option value="Visnagar">Visnagar</option>
    <option value="Unjha">Unjha</option>
    <option value="Mumbai">Mumbai</option>
    <option value="Bangalore">Bangalore</option>
    <option value="Delhi">Delhi</option>
    <option value="Chennai">Chennai</option>
    <option value="Melbourne">Melbourne</option>
    <option value="California">California</option>
    <option value="Kolkata">Kolkata</option>
  </select>
  <button type="submit">Get Weather</button>
</form>

<?php
```

```

if($_SERVER["REQUEST_METHOD"] == "POST") {
    // Replace 'YOUR_API_KEY' with your actual API key
    $apiKey = 'Your_Api_Key';
    $city = $_POST['city'];

    // Create API URL
    $url = "http://api.weatherapi.com/v1/current.json?key={$apiKey}&q={$city}";

    // Fetch data from the API
    $response = file_get_contents($url);

    // Decode JSON response
    $data = json_decode($response, true);

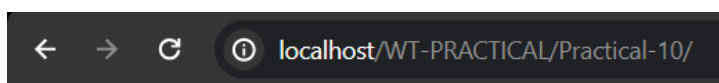
    // Check if data is successfully fetched
    if ($data && isset($data['current'])) {
        // Extract relevant weather information
        $temperature = $data['current']['temp_c'];
        $weatherDescription = $data['current']['condition']['text'];

        // Output the weather information
        echo "<h2>Weather in {$city}</h2>";
        echo "Current temperature: {$temperature}°C<br>";
        echo "Weather: {$weatherDescription}";
    } else {
        echo "Failed to fetch weather data";
    }
}
?>

</body>
</html>

```

Output:



Select a City

City:

Weather in Mehsana

Current temperature: 42°C
Weather: Partly cloudy