

## PRACTICAL – 10

**Aim: Develop PHP Program using Third-Party API.**

**Code:**

```
<?php
$apiKey = "USE API KEY";
$city = $_POST['city'] ?? 'Ahmedabad';
$weatherData = null;
if (!empty($city)) {
    $apiUrl = "http://api.openweathermap.org/data/2.5/weather?q=" . urlencode($city) .
"&appid=$apiKey&units=metric";
    $response = @file_get_contents($apiUrl);
    if ($response !== FALSE) {
        $weatherData = json_decode($response, true);
    }
}
$temp = $weatherData['main']['temp'] ?? null;
$description = $weatherData['weather'][0]['description'] ?? null;
$icon = $weatherData['weather'][0]['icon'] ?? null;
?>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Weather App</title>
<link rel="stylesheet" href="styles.css">
</head>
<body>
<div class="container">
    <h1>Weather App</h1>
    <form method="post" action="">
        <input type="text" name="city" placeholder="Enter city" required>
        <button type="submit">Get Weather</button>
    </form>
    <?php if ($weatherData && $weatherData['cod'] == 200): ?>
        <div class="weather-info">
            <h2>Weather in <?php echo htmlspecialchars($city); ?></h2>
            
```

```
<p>Temperature: <?php echo $temp; ?>°C</p>
<p>Description: <?php echo ucwords($description); ?></p>
</div>
<?php elseif ($weatherData && $weatherData['cod'] != 200): ?>
    <p class="error">City not found. Please try again.</p>
<?php elseif ($weatherData === null && $_SERVER['REQUEST_METHOD'] === 'POST'): ?>
    <p class="error">Unable to retrieve weather data. Please check your network
connection.</p>
<?php endif; ?>
</div>
</body>
</html>
```

**Output:**

## Weather App

### Weather in Jambusar



Temperature: 30.12°C

Description: Clear Sky