**13. Write a program in PHP for temperature conversion with us sticky form**

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***Codes:***

<html>

<head>

<title>Temperature Conversion</title>

</head>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/water.css@2/out/water.css">

<body>

<h2>Temperature Conversion</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

Enter temperature: <input type="text" name="temperature" value="<?php if(isset($\_POST['temperature'])){ echo $\_POST['temperature']; } ?>">

<br><br>

From:

<input type="radio" name="from" value="celsius" <?php if(isset($\_POST['from']) && $\_POST['from'] == "celsius"){ echo "checked"; } ?>>Celsius

<input type="radio" name="from" value="fahrenheit" <?php if(isset($\_POST['from']) && $\_POST['from'] == "fahrenheit"){ echo "checked"; } ?>>Fahrenheit

<br><br>

To:

<input type="radio" name="to" value="celsius" <?php if(isset($\_POST['to']) && $\_POST['to'] == "celsius"){ echo "checked"; } ?>>Celsius

<input type="radio" name="to" value="fahrenheit" <?php if(isset($\_POST['to']) && $\_POST['to'] == "fahrenheit"){ echo "checked"; } ?>>Fahrenheit

<br><br>

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

</form>

<?php

if (isset($\_POST["submit"])) {

$temperature = $\_POST['temperature'];

$from = $\_POST['from'];

$to = $\_POST['to'];

if ($from == "celsius" && $to == "fahrenheit") {

$result = ($temperature \* 9 / 5) + 32;

echo $temperature . "°C is equal to " . $result . "°F";

}

elseif ($from == "fahrenheit" && $to == "celsius") {

$result = ($temperature - 32) \* 5 / 9;

echo $temperature . "°F is equal to " . $result . "°C";

}

else {

echo "Invalid Conversion";

}

}

?>

</body>

</html>

OUTPUT:

