TASK3:

<!DOCTYPE html>

<html>

<head>

<title>Temperature Converter</title>

<style>

body {

font-family: Arial, sans-serif;

}

.container {

width: 300px;

margin: 0 auto;

text-align: center;

}

</style>

</head>

<body>

<div class="container">

<h1>Temperature Converter</h1>

<input type="number" id="temperature" placeholder="Enter temperature">

<select id="unit">

<option value="celsius">Celsius</option>

<option value="fahrenheit">Fahrenheit</option>

<option value="kelvin">Kelvin</option>

</select>

<button onclick="convertTemperature()">Convert</button>

<div id="result"></div>

</div>

<script>

function convertTemperature() {

const temperatureInput = parseFloat(document.getElementById("temperature").value);

const unit = document.getElementById("unit").value;

let convertedTemperature;

let convertedUnit;

if (isNaN(temperatureInput)) {

alert("Please enter a valid number for temperature.");

return;

}

if (unit === "celsius") {

convertedTemperature = (temperatureInput \* 9/5) + 32;

convertedUnit = "Fahrenheit";

} else if (unit === "fahrenheit") {

convertedTemperature = (temperatureInput - 32) \* 5/9;

convertedUnit = "Celsius";

} else if (unit === "kelvin") {

convertedTemperature = temperatureInput - 273.15;

convertedUnit = "Celsius";

}

document.getElementById("result").innerHTML = `Converted Temperature: ${convertedTemperature.toFixed(2)} ${convertedUnit}`;

}

</script>

</body>

</html>