

index.html

styles.css

script.js

TEMPERATURE CONVERTER BY USING HTML,CSS,JAVASCRIPT

NEW

HTML

RUN

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <link rel="stylesheet" type="text/css" href="styles.css">
7   <title>Temperature Converter</title>
8 </head>
9 <body>
10   <div class="container">
11     <h1>Temperature Converter</h1>
12     <label for="temperature">Enter temperature:</label>
13     <input type="number" id="temperature">
14     <select id="fromUnit">
15       <option value="celsius">Celsius (°C)</option>
16       <option value="fahrenheit">Fahrenheit (°F)</option>
17     </select>
18     <label for="toUnit">Convert To:</label>
19     <select id="toUnit">
20       <option value="celsius">Celsius (°C)</option>
21       <option value="fahrenheit">Fahrenheit (°F)</option>
22     </select>
23     <button id="convertButton">Convert</button>
24     <p id="result"></p>
25   </div>
26   <script src="script.js"></script>
27 </body>
28 </html>
29
```

## Temperature Converter

Enter Temperature:

Celsius (°C)

Convert To:

Celsius (°C)

Convert

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NEW

HTML

RUN

```
1 body {
2   font-family: Arial, sans-serif;
3 }
4
5 .container {
6   max-width: 400px;
7   margin: 0 auto;
8   text-align: center;
9   padding: 20px;
10  border: 1px solid #ccc;
11  border-radius: 5px;
12  background-color: #f9f9f9;
13 }
14
15 label {
16   font-weight: bold;
17 }
18
19 input[type="number"] {
20   width: 100%;
21   padding: 8px;
22   margin: 5px 0;
23   border: 1px solid #ccc;
24   border-radius: 3px;
25 }
26
27 select {
28   width: 100%;
29   padding: 8px;
30   margin: 5px 0;
31   border: 1px solid #ccc;
32   border-radius: 3px;
33 }
34
35 button {
36   background-color: #007bff;
37   color: #fff;
38   padding: 10px 20px;
39   border: none;
40   border-radius: 3px;
41   cursor: pointer;
42 }
43
44 <div>
```

## Temperature Converter

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Celsius (°C)

Convert To:

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HTML

RUN

```
5 .container {
6   max-width: 488px;
7   margin: 0 auto;
8   text-align: center;
9   padding: 20px;
10  border: 1px solid #ccc;
11  border-radius: 5px;
12  background-color: #f9f9f9;
13 }
14
15 label {
16   font-weight: bold;
17 }
18
19 input[type="number"] {
20   width: 100%;
21   padding: 8px;
22   margin: 5px 0;
23   border: 1px solid #ccc;
24   border-radius: 3px;
25 }
26
27 select {
28   width: 100%;
29   padding: 8px;
30   margin: 5px 0;
31   border: 1px solid #ccc;
32   border-radius: 3px;
33 }
34
35 button {
36   background-color: #007bff;
37   color: white;
38   padding: 10px 20px;
39   border: none;
40   border-radius: 3px;
41   cursor: pointer;
42 }
43
44 #result {
45   font-weight: bold;
46   margin-top: 10px;
47 }
48
```

## Temperature Converter

Enter Temperature:

Celsius (°C) ▼

Convert To:

Celsius (°C) ▼

Convert

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NEW

HTML

RUN

```
1 function convertTemperature() {  
2     const temperature = parseFloat(document.getElementById("temperature").value);  
3     const fromUnit = document.getElementById("fromUnit").value;  
4     const toUnit = document.getElementById("toUnit").value;  
5     let result;  
6  
7     if (fromUnit === "celsius" && toUnit === "fahrenheit") {  
8         result = (temperature * 9/5) + 32;  
9     } else if (fromUnit === "fahrenheit" && toUnit === "celsius") {  
10        result = (temperature - 32) * 5/9;  
11    } else {  
12        result = temperature; // If units are the same, no conversion needed  
13    }  
14  
15    document.getElementById("result").textContent = `Result: ${result.toFixed(2)} ${toUnit}`;  
16 }  
17  
18 document.getElementById("convertButton").addEventListener("click", convertTemperature);  
19
```

## Temperature Converter

Enter Temperature:

Celsius (°C)

Convert To:

Fahrenheit (°F)

Convert

Result: 1068.00 fahrenheit