```html
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
27      <script src="script.js"></script>
28  </body>
29  </html>
30
```

Temperature Converter

Enter Temperature:

Celsius (°C)

Convert To:

Celsius (°C)

Convert

```css
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 #result {
```

Temperature Converter

Enter Temperature:

Celsius (°C) ∨

Convert To:

Celsius (°C) ∨

Convert

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 6       max-width: 400px;
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20       width: 100%;
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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   #result {
45       font-weight: bold;
46       margin-top: 10px;
47   }
48
```

Temperature Converter

Enter Temperature:

[   ]

| Celsius (°C) ⌄ |

Convert To:

| Celsius (°C) ⌄ |

[Convert]

```
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:

576

Celsius (°C)   ⌄

Convert To:

Fahrenheit (°F)   ⌄

Convert

Result: 1068.80 fahrenheit