project3.html

```html
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title>Temperature Converter</title>
5    <link rel="stylesheet" href="project3.css">
6    <style>
7      body {
8        font-family: sans-serif;
9      }
10
11     h1 {
12       text-align: center;
13     }
14
15     input {
16       width: 100%;
17       margin-bottom: 10px;
18     }
19
20     button {
21       width: 100%;
22       background-color: #000;
23       color: #fff;
24       padding: 10px;
25       border: none;
26       cursor: pointer;
27     }
28
29     .results {
30       margin-top: 20px;
31     }
32   </style>
33  </head>
34  <body>
35    <h1>Temperature Converter</h1>
36
37    <input type="number" id="input-temp" placeholder="Enter temperature">
38
39    <select id="input-unit">
40      <option value="celsius">Celsius</option>
41      <option value="fahrenheit">Fahrenheit</option>
42      <option value="kelvin">Kelvin</option>
43    </select>
44
45    <button type="button" id="convert-btn">Convert</button>
46
47    <div class="results">
48      <p id="output-temp"></p>
49      <p id="output-unit"></p>
50    </div>
51
52    <script>
```

```javascript
 53        const convertBtn = document.getElementById('convert-btn');
 54        const inputTemp = document.getElementById('input-temp');
 55        const inputUnit = document.getElementById('input-unit');
 56        const outputTemp = document.getElementById('output-temp');
 57        const outputUnit = document.getElementById('output-unit');
 58
 59        convertBtn.addEventListener('click', () => {
 60          const inputTempValue = parseFloat(inputTemp.value);
 61          const inputUnitValue = inputUnit.value;
 62          let outputTempValue;
 63          let outputUnitValue;
 64
 65          switch (inputUnitValue) {
 66            case 'celsius':
 67              outputTempValue = inputTempValue * 9 / 5 + 32;
 68              outputUnitValue = 'Fahrenheit';
 69              break;
 70            case 'fahrenheit':
 71              outputTempValue = (inputTempValue - 32) * 5 / 9;
 72              outputUnitValue = 'Celsius';
 73              break;
 74            case 'kelvin':
 75              outputTempValue = inputTempValue - 273.15;
 76              outputUnitValue = 'Celsius';
 77              break;
 78          }
 79
 80          outputTemp.innerText = outputTempValue;
 81          outputUnit.innerText = outputUnitValue;
 82        });
 83    </script>
 84  </body>
 85  </html>
 86
```