Temperature Converter

Html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Temperature Converter</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <div class="container">
    <div class="title">Temperature converter</div>

    <label for="temp">Degrees</label>
    <input type="number" id="temp" placeholder="Enter value" />

    <label for="unit">Type</label>
    <select id="unit">
      <option value="fahrenheit">Fahrenheit</option>
      <option value="celsius">Celsius</option>
      <option value="kelvin">Kelvin</option>
    </select>

    <label>Result</label>
    <div class="result" id="output">--</div>

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

  <script src="script.js"></script>
</body>
</html>
```

CSS

```css
* {
  box-sizing: border-box;
}

body {
  margin: 0;
  font-family: 'Segoe UI', sans-serif;
  background-color: rgb(131,137,150);
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

.container {
  background: #1f1f1f;
  width: 90%;
  max-width: 350px;
  padding: 30px 25px;
  border-radius: 18px;
  box-shadow: 0 4px 30px rgba(0, 0, 0, 0.9);
  color: #ffffff;
}

.title {
  font-size: 20px;
  font-weight: bold;
  text-align: center;
  margin-bottom: 25px;
  color: #ffffff;
}

label {
  font-size: 14px;
  color: #bbbbbb;
}

input,
select {
  width: 100%;
```

```css
    padding: 10px 12px;
    font-size: 16px;
    margin-top: 6px;
    margin-bottom: 18px;
    border: none;
    border-bottom: 1px solid #444;
    background: transparent;
    color: #ffffff;
    outline: none;
}

.result {
    font-size: 20px;
    font-weight: 500;
    color: #ffffff;
    margin-top: -10px;
    margin-bottom: 20px;
}

button {
    width: 100%;
    padding: 14px;
    font-size: 16px;
    background-color: #007aff;
    color: white;
    border: none;
    border-radius: 12px;
    cursor: pointer;
    font-weight: bold;
    transition: background 0.2s;
}

button:hover {
    background-color: #005edc;
}

.result {
    font-size: 18px;
    font-weight: 500;
    color: #ffffff;
    margin-top: 10px;
    margin-bottom: 20px;
    line-height: 1.5;
```

```css
  word-wrap: break-word;
  white-space: normal;
}
```

JS

```javascript
function convertTemperature() {
  const temp = parseFloat(document.getElementById("temp").value);
  const unit = document.getElementById("unit").value;
  const output = document.getElementById("output");

  // Check for invalid number
  if (isNaN(temp)) {
    output.textContent = "✖ Please enter a valid number.";
    return;
  }

  let celsius, fahrenheit, kelvin;

  // Temperature conversion based on selected unit
  switch (unit) {
    case "fahrenheit":
      celsius = (temp - 32) * 5 / 9;
      kelvin = celsius + 273.15;
      output.innerHTML = `
        <div>${celsius.toFixed(2)} °C</div>
        <div>${kelvin.toFixed(2)} K</div>
      `;
      break;

    case "celsius":
      fahrenheit = (temp * 9 / 5) + 32;
      kelvin = temp + 273.15;
      output.innerHTML = `
        <div>${fahrenheit.toFixed(2)} °F</div>
        <div>${kelvin.toFixed(2)} K</div>
      `;
      break;

    case "kelvin":
      celsius = temp - 273.15;
```

```
        fahrenheit = (celsius * 9 / 5) + 32;
        output.innerHTML = `
          <div>${celsius.toFixed(2)} °C</div>
          <div>${fahrenheit.toFixed(2)} °F</div>
        `;
        break;

      default:
        output.textContent = "✖ Invalid unit selected.";
  }
}
```

Temperature converter

Degrees

Enter value

Type

Fahrenheit ⌄

Result
--

Convert

Temperature converter

Degrees

100

Type

Celsius ⌄

Result

212.00 °F

373.15 K

Convert

Temperature converter

Degrees

273.15

Type

Kelvin ⌄

Result

0.00 °C

32.00 °F

Convert

Temperature converter

Degrees

-40

Type

Fahrenheit ⌄

Result

-40.00 °C
233.15 K

Convert