```
//html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Temperature Converter</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div class="container">
    <h1>Temperature Converter</h1>

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

    <select id="conversionType">
      <option value="CtoF">Celsius to Fahrenheit</option>
      <option value="FtoC">Fahrenheit to Celsius</option>
      <option value="CtoK">Celsius to Kelvin</option>
      <option value="KtoC">Kelvin to Celsius</option>
      <option value="FtoK">Fahrenheit to Kelvin</option>
      <option value="KtoF">Kelvin to Fahrenheit</option>
    </select>

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

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

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


//css
body {
  font-family: Arial, sans-serif;
  background: linear-gradient(to right, #74ebd5, #acb6e5);
```

```
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}

.container {
  background: white;
  padding: 30px;
  border-radius: 12px;
  box-shadow: 0 8px 16px rgba(0,0,0,0.2);
  text-align: center;
  width: 300px;
}

h1 {
  margin-bottom: 20px;
  color: #333;
}

input, select, button {
  width: 100%;
  padding: 10px;
  margin: 10px 0;
  border-radius: 6px;
  border: 1px solid #ccc;
  font-size: 16px;
}

button {
  background-color: #4CAF50;
  color: white;
  cursor: pointer;
}

button:hover {
  background-color: #45a049;
}
```

```
#result {
  margin-top: 20px;
  font-weight: bold;
  color: #444;
}
//js
function convertTemp() {
  let input = parseFloat(document.getElementById("tempInput").value);
  let conversionType = document.getElementById("conversionType").value;
  let result = "";

  if (isNaN(input)) {
    result = "Please enter a valid number!";
  } else {
    switch(conversionType) {
      case "CtoF":
        result = `${input}°C = ${(input * 9/5 + 32).toFixed(2)}°F`;
        break;
      case "FtoC":
        result = `${input}°F = ${((input - 32) * 5/9).toFixed(2)}°C`;
        break;
      case "CtoK":
        result = `${input}°C = ${(input + 273.15).toFixed(2)}K`;
        break;
      case "KtoC":
        result = `${input}K = ${(input - 273.15).toFixed(2)}°C`;
        break;
      case "FtoK":
        result = `${input}°F = ${(((input - 32) * 5/9) +
273.15).toFixed(2)}K`;
        break;
      case "KtoF":
        result = `${input}K = ${(((input - 273.15) * 9/5) +
32).toFixed(2)}°F`;
        break;
      default:
        result = "Invalid conversion";
```

```
    }
  }

  document.getElementById("result").innerText = result;
}
```