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<!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
href="https://fonts.googleapis.com/css2?family=Segoe+UI:wght@400;600&displ
ay=swap" rel="stylesheet">
  <style>
    * { box-sizing: border-box; }
    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      background: linear-gradient(135deg, #74ebd5, #ACB6E5);
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
    }
    .container {
      background: white;
      padding: 30px 25px;
      border-radius: 15px;
      width: 400px;
      box-shadow: 0 10px 25px rgba(0, 0, 0, 0.2);
      animation: fadeIn 0.7s ease;
    }
    h1 {
      font-size: 26px;
      color: #3b5998;
      text-align: center;
      margin-bottom: 20px;
      font-weight: bold;
      text-shadow: 1px 1px 2px #a3c9f1;
    }
    label {
      display: block;
      margin-top: 15px;
      font-weight: bold;
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    color: #333;
    font-size: 14px;
}
.input-row {
    display: flex;
    gap: 10px;
    margin-top: 8px;
}
.input-row input, .input-row select {
    transition: transform 0.2s ease;
}
.input-row input:hover,
.input-row select:hover {
    transform: scale(1.02);
}
.input-row input {
    flex: 2;
}
.input-row select {
    flex: 1;
}
input, select, button {
    width: 100%;
    padding: 12px;
    border: 1px solid #ccc;
    border-radius: 8px;
    font-size: 16px;
    margin-top: 8px;
    transition: all 0.3s ease;
}
input:focus, select:focus {
    border-color: #2980b9;
    outline: none;
    box-shadow: 0 0 5px rgba(41, 128, 185, 0.5);
}
button {
    background-color: #2980b9;
    color: white;
    font-weight: bold;
    margin-top: 20px;
}
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        cursor: pointer;
        transition: background-color 0.3s ease, transform 0.2s ease;
    }
    button:hover {
        background-color: #1e6fa1;
        transform: scale(1.03);
    }
    .result {
        margin-top: 20px;
        font-size: 18px;
        font-weight: bold;
        color: #333;
        text-align: center;
        animation: fadeIn 0.5s ease;
    }
    .error {
        margin-top: 10px;
        color: red;
        font-size: 14px;
        text-align: center;
    }
    .degree {
        margin-right: 180px;
    }
    @keyframes fadeIn {
        from { opacity: 0; transform: translateY(-10px); }
        to { opacity: 1; transform: translateY(0); }
    }
</style>
</head>
<body>
    <div class="container">
        <h1>🌡️ Temperature Converter</h1>
        <label for="temperatureValue">
            <span class="degree">Degree</span> <span class="type">Type</span>
        </label>
        <div class="input-row">
            <input type="text" id="temperatureValue" placeholder="Enter
temperature">
            <select id="inputUnit">

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        <option value="C">°C</option>
        <option value="F">°F</option>
        <option value="K">K</option>
    </select>
</div>
<label for="outputUnit">Convert To</label>
<select id="outputUnit">
    <option value="C">Celsius (°C)</option>
    <option value="F">Fahrenheit (°F)</option>
    <option value="K">Kelvin (K)</option>
</select>
<button onclick="convertTemp()">Convert</button>
<div class="error" id="errorMsg"></div>
<div class="result" id="resultDisplay"></div>
</div>
<script>
    function convertTemp() {
        const tempInput =
document.getElementById("temperatureValue").value.trim();
        const inputUnit = document.getElementById("inputUnit").value;
        const outputUnit = document.getElementById("outputUnit").value;
        const resultDiv = document.getElementById("resultDisplay");
        const errorDiv = document.getElementById("errorMsg");

        resultDiv.textContent = "";
        errorDiv.textContent = "";

        const value = parseFloat(tempInput);
        if (isNaN(value)) {
            errorDiv.textContent = "Please enter a valid numeric
temperature.";
            return;
        }

        let celsius;
        switch (inputUnit) {
            case "C": celsius = value; break;
            case "F": celsius = (value - 32) * 5 / 9; break;
            case "K": celsius = value - 273.15; break;
        }
    }

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    let result, symbol;
    switch (outputUnit) {
      case "C": result = celsius; symbol = "°C"; break;
      case "F": result = (celsius * 9 / 5) + 32; symbol = "°F"; break;
      case "K": result = celsius + 273.15; symbol = "K"; break;
    }

    const unitLabels = { C: "°C", F: "°F", K: "K" };
    resultDiv.innerHTML = `${value}${unitLabels[inputUnit]} =
<strong>${result.toFixed(2)} ${symbol}</strong>`;
  }
</script>
</body>
</html>

```

## Output

**Temperature Converter**

Degree:  Type:

Convert To:

**45°C = 113.00 °F**