

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Temperature Conversion</title>
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container">
    <h1>Temperature Converter</h1>
    <form class="converter">
      <div class="radio-group">
        <input type="radio" id="f_to_c" name="conversion" value="fahrenheit" checked>
        <label for="f_to_c">Fahrenheit to Celsius</label>
      </div>
      <div class="radio-group">
        <input type="radio" id="c_to_f" name="conversion" value="celsius">
        <label for="c_to_f">Celsius to Fahrenheit</label>
      </div>

      <input type="number" id="tempInput" placeholder="Enter temperature">
      <button type="button" onclick="convertTemp()">Convert</button>
      <div id="result"></div>
    </form>
  </div>

  <script>
    function convertTemp() {
      let temp = document.getElementById("tempInput").value;
      let conversionType =
document.querySelector('input[name="conversion"]:checked').value;
let result = document.getElementById("result");

      if (conversionType === "celsius") {
let fahrenheit = (temp * 9/5) + 32;
        result.innerHTML = `${temp}°C is ${fahrenheit.toFixed(2)}°F`;
      } else {
        let celsius = (temp - 32) * 5/9;
        result.innerHTML = `${temp}°F is ${celsius.toFixed(2)}°C`;
      }
    }
  </script>
</body>
</html>

```

CSS CODE

```
* {
    margin:
0;    padding:
0;
    box-sizing: border-box;
}

body {
    background-color: url('https://png.pngtree.com/png-clipart/20220119/ourmid/pngtree-round-gradient-black-shadow-png-image_4317601.png') no-repeat center center fixed;
background-size: cover;    height: 100vh;    display: flex;    justify-content: center;    align-items: center; }

.container {
    background: rgba(255, 255, 255, 0.2);
    backdrop-filter: blur(10px); /* Frosted glass effect */
    padding: 30px;    border-radius: 15px;
    box-shadow: 0 0 30px rgba(0, 0, 0, 0.3);
text-align: center;    width: 300px;
color: #fff; }

h1 {
    margin-bottom: 20px;
font-size: 24px; }

.converter {
    display: flex;
    flex-direction: column;
    gap: 15px;
}

input[type="number"] {
padding: 10px;
border: none;
border-radius: 5px;
font-size: 16px;
width: 100%;
outline: none;
    background-color: rgba(255, 255, 255, 0.9);
color: #333; }

button {
    padding: 12px;
background-color: #007bff;
color: white;    font-size: 16px;
    border: none;
border-radius: 5px;
cursor: pointer;
    transition: background-color 0.3s ease;
}

button:hover {
    background-color: #0056b3;
}

#result {
    margin-top: 20px;
font-size: 18px;
```

```
color: #fff;  
font-weight: 700;  
}
```

OUTPUT:-

