

file.html

```
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title> Unit Converter</title>
6
7      <style>
8          .container {
9              margin: 20px auto;
10             width: 300px;
11             background-color: white;
12             padding: 30px;
13             border-radius: 10px;
14             box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
15         }
16
17         h1 {
18             text-align: center;
19             margin-bottom: 20px;
20         }
21         .color-red {
22             color: red;
23         }
24
25         .color-orange {
26             color: orange;
27         }
28
29         .color-pink {
30             color: pink;
31         }
32
33         .color-yellow {
34             color: yellow;
35         }
36
37
38         input[type="number"] {
39             width: 100%;
40             padding: 10px;
41             margin-bottom: 10px;
42             box-sizing: border-box;
43         }
44
45         select {
46             width: 100%;
47             padding: 10px;
48             margin-bottom: 10px;
49             box-sizing: border-box;
50         }
51
52         p {
```

```
53         text-align: center;
54         margin-top: 20px;
55         font-weight: bold;
56         font-size: 20px;
57     }
58     </style>
59 </head>
60
61 <body background="image 2.jpg" >
62     <h1><span class="color-red">4</span><span class="color-orange">Z</span><span
63     class="color-pink">E</span> <span class="color-yellow">RACING</span></h1>
64
65     <div class="container">
66         <h1> Unit Converter</h1>
67         <input type="number" id="inputValue"
68             placeholder="Enter value"
69             oninput="convert()">
70
71         <select id="fromUnit" onchange="convert()">
72             <option value="cm">Centimeter (cm)</option>
73             <option value="inch">Inch (in)</option>
74             <option value="feet">Feet (ft)</option>
75             <option value="meter">Meter (m)</option>
76             <option value="yard">Yard (yd)</option>
77             <option value="mile">Mile (mi)</option>
78             <option value="kilometer">Kilometer (km)</option>
79             <option value="celsius">Celsius (cel)</option>
80             <option value="fahrenheit">Fahrenheit (fah)</option>
81             <option value="kelvin">Kelvin (k)</option>
82         </select>
83         <select id="toUnit" onchange="convert()">
84             <option value="cm">Centimeter (cm)</option>
85             <option value="inch">Inch (in)</option>
86             <option value="feet">Feet (ft)</option>
87             <option value="meter">Meter (m)</option>
88             <option value="yard">Yard (yd)</option>
89             <option value="mile">Mile (mi)</option>
90             <option value="kilometer">Kilometer (km)</option>
91             <option value="celsius">Celsius (cel)</option>
92             <option value="fahrenheit">Fahrenheit (fah)</option>
93             <option value="kelvin">Kelvin (k)</option>
94         </select>
95         <p id="result"></p>
96     </div>
97
98     <script>
99         function convert() {
100             // Retrieve input values
101             let inputValue =
102                 document.getElementById("inputValue").value;
103
104             let fromUnit =
105                 document.getElementById("fromUnit").value;
106
107             let toUnit =
108                 document.getElementById("toUnit").value;
```

```
108
109 // Convert the length based on the selected units
110 let result;
111
112 if (fromUnit === "cm" && toUnit === "inch") {
113     result = inputValue / 2.54;
114 } else if (fromUnit === "inch" && toUnit === "cm") {
115     result = inputValue * 2.54;
116 } else if (fromUnit === "cm" && toUnit === "feet") {
117     result = inputValue / 30.48;
118 } else if (fromUnit === "feet" && toUnit === "cm") {
119     result = inputValue * 30.48;
120 } else if (fromUnit === "cm" && toUnit === "meter") {
121     result = inputValue / 100;
122 } else if (fromUnit === "meter" && toUnit === "cm") {
123     result = inputValue * 100;
124 } else if (fromUnit === "inch" && toUnit === "feet") {
125     result = inputValue / 12;
126 } else if (fromUnit === "feet" && toUnit === "inch") {
127     result = inputValue * 12;
128 } else if (fromUnit === "inch" && toUnit === "meter") {
129     result = inputValue * 0.0254;
130 } else if (fromUnit === "meter" && toUnit === "inch") {
131     result = inputValue / 0.0254;
132 } else if (fromUnit === "feet" && toUnit === "meter") {
133     result = inputValue * 0.3048;
134 } else if (fromUnit === "meter" && toUnit === "feet") {
135     result = inputValue / 0.3048;
136 } else if (fromUnit === "cm" && toUnit === "yard") {
137     result = inputValue / 91.44;
138 } else if (fromUnit === "yard" && toUnit === "cm") {
139     result = inputValue * 91.44;
140 } else if (fromUnit === "cm" && toUnit === "mile") {
141     result = inputValue / 160934.4;
142 } else if (fromUnit === "mile" && toUnit === "cm") {
143     result = inputValue * 160934.4;
144 } else if (fromUnit === "cm" && toUnit === "kilometer") {
145     result = inputValue / 100000;
146 } else if (fromUnit === "kilometer" && toUnit === "cm") {
147     result = inputValue * 100000;
148 } else if (fromUnit === "inch" && toUnit === "yard") {
149     result = inputValue / 36;
150 } else if (fromUnit === "yard" && toUnit === "inch") {
151     result = inputValue * 36;
152 } else if (fromUnit === "inch" && toUnit === "mile") {
153     result = inputValue / 63360;
154 } else if (fromUnit === "mile" && toUnit === "inch") {
155     result = inputValue * 63360;
156 } else if (fromUnit === "inch" && toUnit === "kilometer") {
157     result = inputValue * 0.0000254;
158 } else if (fromUnit === "kilometer" && toUnit === "inch") {
159     result = inputValue / 0.0000254;
160 } else if (fromUnit === "feet" && toUnit === "yard") {
161     result = inputValue / 3;
162 } else if (fromUnit === "yard" && toUnit === "feet") {
163     result = inputValue * 3;
```

```
164     } else if (fromUnit === "feet" && toUnit === "mile") {
165         result = inputValue / 5280;
166     } else if (fromUnit === "mile" && toUnit === "feet") {
167         result = inputValue * 5280;
168     } else if (fromUnit === "feet" && toUnit === "kilometer") {
169         result = inputValue * 0.0003048;
170     } else if (fromUnit === "kilometer" && toUnit === "feet") {
171         result = inputValue / 0.0003048;
172     } else if (fromUnit === "meter" && toUnit === "yard") {
173         result = inputValue * 1.09361;
174     } else if (fromUnit === "yard" && toUnit === "meter") {
175         result = inputValue / 1.09361;
176     } else if (fromUnit === "meter" && toUnit === "mile") {
177         result = inputValue / 1609.34;
178     } else if (fromUnit === "mile" && toUnit === "meter") {
179         result = inputValue * 1609.34;
180     } else if (fromUnit === "meter" && toUnit === "kilometer") {
181         result = inputValue / 1000;
182     } else if (fromUnit === "kilometer" && toUnit === "meter") {
183         result = inputValue * 1000;
184     } else if (fromUnit === "yard" && toUnit === "mile") {
185         result = inputValue / 1760;
186     } else if (fromUnit === "mile" && toUnit === "yard") {
187         result = inputValue * 1760;
188     } else if (fromUnit === "yard" && toUnit === "kilometer") {
189         result = inputValue / 1093.61;
190     } else if (fromUnit === "kilometer" && toUnit === "yard") {
191         result = inputValue * 1093.61;
192     } else if (fromUnit === "mile" && toUnit === "kilometer") {
193         result = inputValue * 1.60934;
194     } else if (fromUnit === "kilometer" && toUnit === "mile") {
195         result = inputValue / 1.60934;
196     } else if (fromUnit === "fahrenheit" && toUnit === "celsius") {
197         result = (inputValue - 32) * 5 / 9;
198     } else if (fromUnit === "celsius" && toUnit === "fahrenheit") {
199         result = (inputValue * 9 / 5) + 32;
200     } else if (fromUnit === "celsius" && toUnit === "kelvin") {
201         result = parseFloat(inputValue) + 273.15;
202     } else if (fromUnit === "fahrenheit" && toUnit === "kelvin") {
203         result = (inputValue - 32) * 5 / 9 + 273.15;
204     } else if (fromUnit === "kelvin" && toUnit === "celsius") {
205         result = inputValue - 273.15;
206     } else if (fromUnit === "kelvin" && toUnit === "fahrenheit") {
207         result = (inputValue - 273.15) * 9 / 5 + 32;
208     } else {
209         result = inputValue; // No conversion needed
210     }
211
212     // Display the result
213     document.getElementById("result").innerHTML =
214         result.toFixed(4);
215 }
216 </script>
217 </body>
218
219 </html>
```

