file.html

```
<!DOCTYPE html>
<html>

<head>
    <title> Unit Converter</title>

    <style>
        .container {
            margin: 20px auto;
            width: 300px;
            background-color: white;
            padding: 30px;
            border-radius: 10px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }

        h1 {
            text-align: center;
            margin-bottom: 20px;
        }
        .color-red {
            color: red;
        }

        .color-orange {
            color: orange;
        }

        .color-pink {
            color: pink;
        }

        .color-yellow {
            color: yellow;
        }


        input[type="number"] {
            width: 100%;
            padding: 10px;
            margin-bottom: 10px;
            box-sizing: border-box;
        }

        select {
            width: 100%;
            padding: 10px;
            margin-bottom: 10px;
            box-sizing: border-box;
        }

        p {
```

```
            text-align: center;
            margin-top: 20px;
            font-weight: bold;
            font-size: 20px;
        }
    </style>
</head>

<body background="image 2.jpg" >
    <h1><span class="color-red">4</span><span class="color-orange">Z</span><span class="color-pink">E</span>  <span class="color-yellow">RACING</span></h1>

    <div class="container">
        <h1> Unit Converter</h1>
        <input type="number" id="inputValue"
            placeholder="Enter value"
            oninput="convert()">

            <select id="fromUnit" onchange="convert()">
                <option value="cm">Centimeter (cm)</option>
                <option value="inch">Inch (in)</option>
                <option value="feet">Feet (ft)</option>
                <option value="meter">Meter (m)</option>
                <option value="yard">Yard (yd)</option>
                <option value="mile">Mile (mi)</option>
                <option value="kilometer">Kilometer (km)</option>
                <option value="celsius">Celsius (cel)</option>
                <option value="fahrenheit">Fahrenheit (fah)</option>
                <option value="kelvin">Kelvin (k)</option>
            </select>
            <select id="toUnit" onchange="convert()">
                <option value="cm">Centimeter (cm)</option>
                <option value="inch">Inch (in)</option>
                <option value="feet">Feet (ft)</option>
                <option value="meter">Meter (m)</option>
                <option value="yard">Yard (yd)</option>
                <option value="mile">Mile (mi)</option>
                <option value="kilometer">Kilometer (km)</option>
                <option value="celsius">Celsius (cel)</option>
                <option value="fahrenheit">Fahrenheit (fah)</option>
                <option value="kelvin">Kelvin (k)</option>
            </select>
            <p id="result"></p>
        </div>

    <script>
        function convert() {
            // Retrieve input values
            let inputValue =
                document.getElementById("inputValue").value;

            let fromUnit =
                document.getElementById("fromUnit").value;

            let toUnit =
                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;
```

```
            } else if (fromUnit === "feet" && toUnit === "mile") {
                result = inputValue / 5280;
            } else if (fromUnit === "mile" && toUnit === "feet") {
                result = inputValue * 5280;
            } else if (fromUnit === "feet" && toUnit === "kilometer") {
                result = inputValue * 0.0003048;
            } else if (fromUnit === "kilometer" && toUnit === "feet") {
                result = inputValue / 0.0003048;
            } else if (fromUnit === "meter" && toUnit === "yard") {
                result = inputValue * 1.09361;
            } else if (fromUnit === "yard" && toUnit === "meter") {
                result = inputValue / 1.09361;
            } else if (fromUnit === "meter" && toUnit === "mile") {
                result = inputValue / 1609.34;
            } else if (fromUnit === "mile" && toUnit === "meter") {
                result = inputValue * 1609.34;
            } else if (fromUnit === "meter" && toUnit === "kilometer") {
                result = inputValue / 1000;
            } else if (fromUnit === "kilometer" && toUnit === "meter") {
                result = inputValue * 1000;
            } else if (fromUnit === "yard" && toUnit === "mile") {
                result = inputValue / 1760;
            } else if (fromUnit === "mile" && toUnit === "yard") {
                result = inputValue * 1760;
            } else if (fromUnit === "yard" && toUnit === "kilometer") {
                result = inputValue / 1093.61;
            } else if (fromUnit === "kilometer" && toUnit === "yard") {
                result = inputValue * 1093.61;
            } else if (fromUnit === "mile" && toUnit === "kilometer") {
                result = inputValue * 1.60934;
            } else if (fromUnit === "kilometer" && toUnit === "mile") {
                result = inputValue / 1.60934;
            } else if (fromUnit === "fahrenheit" && toUnit === "celsius") {
                result = (inputValue - 32) * 5 / 9;
            } else if (fromUnit === "celsius" && toUnit === "fahrenheit") {
                result = (inputValue * 9 / 5) + 32;
            } else if (fromUnit === "celsius" && toUnit === "kelvin") {
                result = parseFloat(inputValue) + 273.15;
            } else if (fromUnit === "fahrenheit" && toUnit === "kelvin") {
                result = (inputValue - 32) * 5 / 9 + 273.15;
            } else if (fromUnit === "kelvin" && toUnit === "celsius") {
                result = inputValue - 273.15;
            } else if (fromUnit === "kelvin" && toUnit === "fahrenheit") {
                result = (inputValue - 273.15) * 9 / 5 + 32;
            } else {
                result = inputValue; // No conversion needed
            }

            // Display the result
            document.getElementById("result").innerHTML =
                result.toFixed(4);
        }
    </script>
</body>

</html>
```

```
220
```