# TASK 2

```
<html lang="en-us">
    <head>
        <meta charset="utf-8">
        <title>Temperature Converter</title>
        <link rel="fontsheet"
href="https://fonts.googleapis.com/css?family=Roboto+Condensed:700,300,400">
        <link rel="stylesheet" href="./style.css">

    </head>
    <body>
        <div class="wrapper">
            <div class="card">
               <img src="./Screenshot 2023-08-31 100203.jpg" height="100px" width="100px">
                <header> Rajvi's Temperature Converter</header>

                <div>
                    <div class="temp-fields">
                        <h3 class="spacing">Celsius</h3>
                        <input id="celsius" value="0"/>
                    </div>
                    <div class="temp-fields">
                        <h3 class="spacing">Fahrenheit</h3>
                        <input id="fahrenheit" value="0"/>
                    </div>
                    <div class="temp-fields">
                        <h3 class="spacing">Kelvin</h3>
                        <input id="kelvin" value="0"/>
                    </div>
                </div>
                <div>
                    <button id="submit" class="spacing" type="submit" value="submit">Convert</button>
                    <button id="reset" class="spacing" type="reset" value="reset">Reset</button>
                </div>
            </div>
        </div>
    </body>
    <script>
        var lastEdited = "celsius";  // initialize the lastEdited flag to any of the three input
fields.

//button listeners
document.getElementById("submit").onclick = convert;
document.getElementById("reset").onclick = reset;

//picks up on if and when an input field changes, then sets the lastEdited flag to the input field
that was changed.
document.getElementById("celsius").onchange = function() {
  lastEdited = "celsius";
};
document.getElementById("fahrenheit").onchange = function() {
  lastEdited = "fahrenheit";
};
document.getElementById("kelvin").onchange = function() {
```

```
  lastEdited = "kelvin";
};

function convert(temp) {

  //initialize local variables
  var celsius = document.getElementById("celsius").value;
  celsius = parseFloat(celsius);

  var fahrenheit = document.getElementById("fahrenheit").value;
  fahrenheit = parseFloat(fahrenheit);

  var kelvin = document.getElementById("kelvin").value;
  kelvin = parseFloat(kelvin);

  //temp values
  var conversionC;
  var conversionF;
  var conversionK;

  //if the celsius field changes, convert the fahrenheit and kelvin values
  if (lastEdited === "celsius") {
    conversionF = celsius * 9 / 5 + 32;
    conversionK = celsius + 273;
    //round the converted fahrenheit and kelvin values
    document.getElementById("fahrenheit").value = Math.round(conversionF);
    document.getElementById("kelvin").value = Math.round(conversionK);
  }
    //if the fahrenheit field changes, convert the celsius and kelvin values
    else if (lastEdited === "fahrenheit") {
    conversionC = (fahrenheit - 32) * 5 / 9;
    conversionK = conversionC + 273;
    //round the converted celsius and kelvin values
    document.getElementById("celsius").value = Math.round(conversionC);
    document.getElementById("kelvin").value = Math.round(conversionK);
  }
    //if the kelvin field changes, convert the celsius and fahrenheit values
    else if (lastEdited === "kelvin") {
    conversionC = kelvin - 273;
    conversionF = conversionC * 9 / 5 + 32;
    //round the converted celsius and fahrenheit values
    document.getElementById("celsius").value = Math.round(conversionC);
    document.getElementById("fahrenheit").value = Math.round(conversionF);
  }

  //get the current conversion temp values and store them in the input fields
  document.getElementById("celsius").innerHTML = conversionC;
  document.getElementById("fahrenheit").innerHTML = conversionF;
  document.getElementById("kelvin").innerHTML = conversionK;
}

//reset function for the reset button to reset all current values
function reset() {
  document.getElementById("celsius").value = 0;
  document.getElementById("fahrenheit").value = 0;
  document.getElementById("kelvin").value = 0;
```

```
}
    </script>
</html>
/*style.css*/

html{
  background-color: black;
}
body, input, button {
  font-family: 'Roboto Condensed', sans-serif;
  font-size: 20px;
  text-align: center;
  background: url(http://wall.rimbuz.com/wp-content/uploads/4K-Wallpaper-High-Definition.jpg);
  background-position: center;
}

button {
  background: #CCC;
  border: 1px solid rgba(0,0,0,.2);
  box-shadow: inset 0 1px 0 rgba(255,255,255,.7), 0 1px 2px rgba(0,0,0,.25);
  border-radius: 5px;
  padding: 10px 20px;
  margin: 15px 0 15px 10px;
}

button:hover {
  background: #DDD;
  cursor: pointer;
}

button:active {
  background: #BBB;
  box-shadow: inset 0 1px 2px rgba(0,0,0,.25);
}

header{
  font-size: 2em;
  margin: 10px 0 10px 0;
}

input {
  background: #F8F8F8;
  width: 100px;
  padding: 10px 20px;
  border-radius: 6px;
  border: 1px solid #C6C6C6;
}
.img{
  min-height: 200px;
  min-height: 200px;
}

.card{
    background-color: white;
    max-width: 60%;
    min-width: 300px;
```

```
    margin: auto;
    padding: 25px;
    margin-top: 25vh;
    border-radius: 10px;
    box-shadow: 5px 5px 10px black;

    background: #A7CFDF;
    background: -webkit-linear-gradient(top, #A7CFDF 0%, #23538A 100%);
    background:    -moz-linear-gradient(top, #A7CFDF 0%, #23538A 100%);
    background:         linear-gradient(to bottom, #A7CFDF 0%, #23538A 100%);
}

.spacing{
  margin: 15px;
}

.temp-fields{
  display: inline-block;
}

.wrapper{
  max-width: 960px;
  margin: auto;
}
```

**Output:**