

INSTRUCTIONS: - Read the statements below and perform the tasks.

1. Use the w3schools Editor, click on **JS Variables**, modify the code to perform the tasks below.
2. When completed, copy to Notepad, or Visual Studio Code.
3. Add a paragraph element `<p id="tempF"></p>`
4. Add a paragraph element `<p id="tempC"></p>`

The Temperature Converter

Convert Celsius to Fahrenheit

- Write a **<script>** to:
- Declare a variable and name it **celsius**.
- Assign a temperature value of 100 to the variable **celsius**.
- Formula for Celsius to Fahrenheit, where **C** is your variable **celsius**:

Celsius To Fahrenheit

$$F = \frac{9}{5}C + 32$$

- Declare a variable and name it **cel2fahr**.
- Create a **cel2fahr** assignment statement using the formula above.
- OUTPUT as follows:

document.getElementById("tempF").innerHTML = variable "Celsius is" variable "Fahrenheit"

Convert Fahrenheit to Celsius

- Declare a variable and name it **fahrenheit**.
- Assign a temperature value of 32 to the variable **fahrenheit**.
- Formula for Fahrenheit to Celsius, where **F** is your variable **fahrenheit**:

Fahrenheit To Celsius

$$C = \frac{5}{9}(F - 32)$$

- Declare a variable and name it **fahr2cel**.
- Create a **fahr2cel** assignment statement using the formula above.
- OUTPUT as follows:

document.getElementById("tempC").innerHTML = variable "Fahrenheit is" variable "Celsius"