

# W02 Assignment: Program 2.1

Write a short Java program that does the following:

1. Tells the user what the program does.
2. Prompts the user to enter a temperature in degrees Celsius.
3. Gets the user's input and saves it in a variable declared as a double.
4. Converts the Celsius temperature to a temperature in degrees Fahrenheit, using the formula:  **$\text{temp}_f = (9.0/5.0) \times \text{temp}_c + 32$**
5. Outputs the Celsius temperature and the Fahrenheit temperature, with 2 digits after the decimal point.
6. Outputs a goodbye message.

Here is an example of what your program should look like when it runs (user input is in green):

```
This program converts a temperature in degrees Celsius into  
a temperature in degrees Fahrenheit. Enter a temperature in  
degrees Celsius: 43.5
```

```
43.50 degrees Celsius is equal to 110.30 degrees Fahrenheit.  
Goodbye.
```