Programming Exercise 6.4

Temperature Conversion, v.2.0

Purpose. Practice writing programs that use event-controlled loops.

Modify Exercise 5.4's `Canada1.java`, replacing console inputs with text file inputs. Name the new program **Canada2.java**.

Requirements. Same as 5.4's Temperature Conversion, with these changes:

1. Use a loop to rerun the program until the user enters a sentinel value.

2. Use -999 as sentinel value – once you read that value from the console, break from the loop.

Program I/O. Input: number from the console keyboard. Output: Echo the input value and output the result of the calculation to the console screen, once per each non-sentinel input value.

Example. For example, with user input in blue:

```
What's the temperature in Celsius? 100
100. Celsius equals 212.0 Fahrenheit

What's the temperature in Celsius? 0
0. Celsius equals 32.0 Fahrenheit

What's the temperature in Celsius? -40
-40. Celsius equals -40.0 Fahrenheit

What's the temperature in Celsius? 100.001
100.001 Celsius equals 212.0 Fahrenheit

What's the temperature in Celsius? -999
```