# **C# Primer**

# **Challenge 1**

Write a program that asks the user for a number (Console.ReadLine()), over and over again, forever, until he stops giving a number (just presses enter). Store every number in a List. At the end of the program, print out the largest and the smallest value the user entered.

**Challenge 2**

Write a class called WeatherData

This class should store data for the current weather conditions. The data should include properties for

* temperature
* humidity
* scale

The class should allow the user to set the current temperature to be anywhere between -60 or +60 Celsius (-76 and 140 Fahrenheit). Should a temperature of higher or lower than this value be set the class should generate a message that states that a reading mistake must have been made since the value seems unrealistic.

Humidity values should be allowed between 0% and 100%.

The scale attribute should accept either ’C’ or ’F’ as its value.

The class should have a method called Convert(). When the method is called the current scale should be changed from F to C or from C to F. The formula to convert between these values are Celsius = (Fahrenheit – 32) 5/9 Fahrenheit = (Celsius 9/5) + 32.

Add any code you deem necessary to ensure the data is robust.

Test the class using your own code.