Basic Programming Information

**What is a variable?**

* A variable is a storage container in memory that we use to store data.
* Variable types
  + Floating point (float) – Non whole number
  + Integer (int) – whole number
  + Boolean (bool) – true or false
  + String (string) – multiple characters, word/sentence
  + Character (char) – single character

**What is a function?**

* A function is a self-contained section of code.
* Why do we use functions?
  + We use functions so we don’t have to constantly type the same thing over and over again every time we want to do the same thing. We could use a loop to accomplish this a function allows us the execute multiple times in different places in our code.

**What is a Window’s Form Application?**

* A win form application is an application that will only run on a machine running a windows operating system.
* The programming language we use to create win forms is C#.
* Examples of win form applications
  + Save file dialog box
  + Error window