### 

### Class 01: Variables

### **Home Assignment**

**Due Date**: One Week

**Attachments:** one .cs file

**Participants:** Individual

### Exercises

#### Variables (W.I.C)

1. Declare one integer variable and initialize it
2. Declare another integer variable and don’t initialize it
3. Declare two floating number variables and don’t initialize them
4. Declare one string variable and don’t initialize it
5. Declare two boolean variables and initialize them
6. Assign the values of the floating variable after all initializations
7. Give the string variable a value
8. Give the unassigned integer the value of the assigned integer

#### Operators (W.I.C)

1. Declare 8 variables, 2 of each data type we saw earlier (bool, float, int, and string)
2. Use the different operators with each pair of data type. Print the results to the console so you could see them for yourself.

#### Operators

1. Write a C# program to print Hello and your name in a separate line.
   1. You must declare a string variable for your name
2. Write a C# program to print the sum of any two numbers you choose.
   1. Declare a variable for both numbers
3. Write a C# program to print the result of dividing two numbers.
4. Write a C# program that takes four numbers and outputs their average
5. Write a C# program that increments (++) a number and outputs the result. Repeat the increment process three times.
6. Write a C# program that decrements (--) a number and outputs the result. Repeat the decrement process three times.