Day 1 – C# EXERCISES: Strings, Numbers, Console

EXERCISE 1.1: Echo String

Description
Prompt the user to enter a string. After the user enters a string, output the same string back to the console.

Example
```
>>Enter some text: <<Hello, World! ECHOOOOOO!
>>Hello, World! ECHOOOOOO!
```

EXERCISE 1.2: Adding a number to an integer

Description
Prompt the user to enter a number. After the user enters a number, add 1 to the number and output it back to the console.

Example
```
>>Enter a number: <<52
>>53
```

EXERCISE 1.3: Adding a number to a float

Description
Prompt the user to enter a number. After the user enters a number, add .5 to the number and output it back to the console.

Example
```
>>Enter a number: <<17.3
>>17.8
```

EXERCISE 1.4: Adding Two Floats

Description
Prompt the user to enter two numbers. After the user enters the numbers, add them together and output the sum back to the console.

Example
```
>>Enter a number: <<12.2
>>Enter another number: <<17.3
>>The sum is 29.5
```

EXERCISE 1.5: Multiplying Floats

Description
Prompt the user to enter two numbers. After the user enters the numbers, multiply them and output the product back to the console.

Example
```
>>Enter a number: <<10.2
>>Enter another number: <<13.4
>>The product is 136.68
```

EXERCISE 1.6: Dividing Integers

Description
Use the int type here. Prompt the user to enter two numbers. After the user enters the numbers, divide them and output the result back to the console. Notice what happens when you enter two numbers that don't divide evenly. What number do you get? Try running the program by entering decimal numbers. What happens?

Example
```
>>Enter a number: <<10
>>Enter another number: <<2
>>The result is 5
```

EXERCISE 1.7: Entering booleans

Description
Prompt the user to enter a boolean. Write out the boolean value, and then write out the opposite of the boolean variable.

- **Question**: What possible things can the user enter to input a valid boolean? Try different things and see if you can come up with the answer.
- **Next**, notice also the difference between what you type into code for a boolean value of either true or false, and what displays on the screen when you WriteLine a boolean value.

Example

```
>>Enter a boolean: << ????
>>You entered: << True
>>The opposite of what you entered is: False
```