

## Variables

In C# there are quite a few variables that you can use to define data.

For example “int” can be any number. So the value or content of what is being stored can change but can also be limited to a digit. This allows you to name a variable but change the value at any given time even thru interfacing hardware or software.

```
int intValue1 = 42;  
int intValue2 = 24;
```

Another example is if i defined the variable of “studentsFirstInitial” with a variable of “char” any character can then be put into that field but the name of the field would remain “studentsFirstInitial”.

```
char studentsFirstInitial = 'a';
```

In this example I define “answerToTheQuestion” with a “bool” variable then the input or value of that variable can now be True or False.

```
bool answerToTheQuestion = true;
```

I could use a “string” variable to define a “nameOfCity” allowing the input for a sequence of characters.

```
Const String nameOfCity = “Springville”;
```

Or, I could define my variable with a “float” and name it “MyBoat” and the name would stay the same while the content or value will now allow for a floating point number.

```
Float myBoat = 4.2f
```

Again, Variables allow you to define the value that is put in each cell with multiple changeable values, while keeping the name of the variable the same.