String Concatenation

Often, we want to combine strings together, or combine strings with a value that we've saved to a variable.

A common way to do is by using *string concatenation*. String concatenation is when we combine strings using the addition symbol (+), literally adding one string to another.

```
string yourFaveMusician = "David Bowie";
string myFaveMusician = "Solange";

Console.WriteLine("Your favorite musician is " + yourFaveMusician + " and
mine is " + myFaveMusician + ".");
```

We write the first part of our string, end it with a double quote ("), include an addition symbol and then put our variable. However, there are a couple of things to pay attention to:

> If we want to concatenate a string with something that is another data type, C# will implicitly convert that value to a string.

> Make sure that you include spaces and proper punctuation so that when it prints out, your variable strings aren't squished between the rest of the statement. Notice how we have to create a one character string at the end to include a period.

☑ **Instructions**

1.

Let's use string concatenation to tell a story. Come up with a beginning, middle, and end to a story and save them to the corresponding variables `beginning`, `middle`, and `end`.

Hint ⌄

Make sure to add the `string` data type to the variable.

```
string beginning = "Once upon a time, ";
```

2.

Concatenate your three strings and store the result in variable named `story` .

Remember to add additional quotation marks, spaces, and punctuation when you break up the string and add in the variables.

```
string greeting = wordOne + " up " + word2 + " here?"
```

3.

Print `story` to the console.

Are the spacing and punctuation correct? If not, go back and change the `story` strings so that it prints correctly.

Make sure to add spaces and punctuation, otherwise it will smush the strings together:

```
string name = "Harold"

string greeting = "What's up," + name + "?"; // returns What's up,Harold?
```