

String Concatenation

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String concatenation is the act of combining two strings together. This is done with the `+` operator.

```
String a = "This is an ";  
String b = "example string";  
String c = a + b;  
System.out.println(c);
```

TRY IT

This is an example string

What happens if you:

- Concatenate two strings without an extra space (i.e. `a = "This is an"`)?
- Use the `+=` operator instead of the `+` operator (i.e. `a+=b;`)?
- Add `3` to a string?
- Add `"3"` to a string?

TRY IT

I understand String concatenation!

Concatenation

Construct a program that will print:

I understand String concatenation!

Drag from here

```
String a = 'I understand ';
```

```
String b = a + "String concatenation!";
```

```
System.out.println(a+b);
```

Construct your solution here

```
String a = "I understand";
```

```
String b = a + " String concatenation!";
```

```
System.out.println(b);
```

```
String a = "I understand";  
String b = a + " String concatenation!";  
System.out.println(b);
```

In Java, Strings must use double quotes (") - not single quotes (').

Additionally, you need to either end or start with a space when concatenating two Strings to get normal spacing in your resulting String.

String a needs to be declared and instantiated *before* you use it in the instantiation of String b.

Since you are concatenating String a in the initialization of String b, you do not need to concatenate it *again* in the print statement.