String string = "string";

Confused Yet?

Did Someone Say [Kahoot](#)?

What's going on here?!?

String string = "string";

↑ | ↑ | ↑

| Variable Type | Variable Name | Variable Value |

Variable review

- Once you create (declare) the variable, you don't need to specify its type anymore
    - int x = 10;
    - System.out.println(x); //prints 10
- To change the value of the variable, you use '='
    - int x = 10;
    - x = 5;
    - System.out.println(x); //prints 5

Variable Types

- String
- int

There are many others, but these are the ones we will focus on (e.g. char)

Things we can do with Strings

- System.out.println();
  - Takes a string and outputs it to the console
  - Automatically converts things into Strings that aren't
- scannerVariable.nextLine();
  - Takes input from console and returns a string
- String var = "";
  - Stores a string variable in memory
- "This" + "That" > "ThisThat"
  - Concatenates two strings together

Things we can do with ints

- Scanner.nextInt();
  - Inputs from the console is returned
- int var = 0;
  - Store an integer variable

What else!? Math!

- Integer values can be used with operators
  - +, -, /, *, %
- Java has special interactions that you usually don't have in math class
  - Floor Division (truncation)
  - Modular (%)

Challenge!

Create a calculator in Java that takes two numbers and gives you the quotient and remainder.