- labs: windows users?

Ex: Can 3.

Recall: Java has 8 primitive data types

byte short
int long
float double
char boolean

numeric
Processing adds one new primitive type: color.

Ex. Color

Ex. String

**Primitive vs. Ref. Types**

```java
int x = 6;
```

![Diagram of variable `x`]

```java
String s = "help";
```

![Diagram of variable `s`]

```java
int y = 7;
y = x;
```

![Diagram of variable `y` with value 7]

![Diagram of variable `x` with value 6]
```cpp
String t = "foo";
```

```cpp
char* s;
```

```cpp
Car(float xPos, float yPos, float speed) { 
  this.xPos = xPos;
  this.yPos = yPos;
  this.speed = speed;
}
```
What happens when we do $A = B$ in Car 4.

Before:

$A$

$B$

After:

$A$

$B$
Typical Processing Program

// global vars.

// setup

// draw()

// other funs.

// classes. put this in different file.