

Strings

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1

Internet for the Other Five Billion -- How and Why?

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2

Strings

- A string is a sequence of characters
- String literal uses `" "`
`"Mt. Holyoke"`
- char literal uses `' '`
`'M'`

3

Classes and Primitive Types

	Primitive Types	Classes
Examples	int, double, boolean	FilledRect, HotAirBalloon
Values	1, 3.14, true	new FilledRect (...)
Operations	$x + y$, $a \&\& b$	rect.setColor (...)
Comparison	$x == y$	rect1 == rect2 OR rect1.equals (rect2)

4

Strings

	Like Primitive Types	Really Is a Class
Values	"Mt. Holyoke"	new String (...)
Operations	x + y	str.charAt (0)
Comparison		str1.equals (str2)

Note: `str1 == str2` compiles but might not always do what you want!

5

Strings and Chars

- Getting a character at a particular position in a String:

```
char firstChar = aString.charAt (0);  
int strLength = aString.length();  
char lastChar = aString.charAt (strLength - 1);
```
- Adding a character to the end of a string:

```
aString = aString + aChar;
```

6