CSE 11
Accelerated Intro to Programming
Lecture 14

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This lecture is being recorded

Announcements

- Quiz 14 due Friday @ 8am

- PA4 due tonight @ 11:59pm

- Survey 5 due Friday @ 11:59pm

Main

- Something new....

```
public static void main(String[] args) {


}
```

Printing

- Java statement to print to the console/terminal:

    System.out.println("Hello");

Static

- static
  - A modifier on methods
  - A class method

Running a Java Program

- To run a Java program:
  - javac ClassName.java
    - To compile it
  - Java ClassName
    - To run it
- What java does when we run a program
  - It looks for a method with exactly this signature for main()
  - It expects there to be a string array of arguments
  - And that method has to be defined on the class we give the java command

Command Line Arguments

- public static void main(String[] args) {
  - args is a reference to an array of Strings
  - We can use array access to get to the contents

Local Variables

- We've seen before that we can create variables by writing what looks like a field definition
  - It's the same syntax
- Variable definitions inside a method (like main):
  - int x = 10;
  - int y = x + 5;
  - String s = "abc" + "def";
- Variable declaration
  - <type> <name> = <expression.

Variable Update/Assignment

- Variable update (or variable assignment):
  - <name> = <expression>