

CSE 11

Accelerated Intro to Programming

Lecture 14

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Announcements

- Quiz 14 due Friday @ 8am
- PA4 due tonight @ 11:59pm
- Survey 5 due Friday @ 11:59pm

PA 5 → discussion

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>`