

# 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

PA3 → 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>`