Intro – day 3:

-Write on board: office hours, tutoring hours, course website

-Introduce partnering (1st class has one three-person group)

* Review for loops, arrays from lab.
* Cover functions.

Review

* Start with while loops. Show three demos.
* Review ideas from for loops.
* Review arrays.
* Discuss scope.

New thing for today: functions!

* Main ideas are all the same from Python.
* In Java, functions are often called methods. The reason has to do with OOP, which we'll learn about soon. For now, just know that the term method is interchangeable with function.
* The syntax for defining and calling functions is very similar to the syntax in Python, with the main caveats we've had before: namely no colons, must use curly braces with indentation, etc.
* Functions **must** have explicit input//output

-Input called parameters; output is called return values.

-Different parameters = different function, even if it has the same name.

-Can be pre-declared!!

* Defining:
* public static [return type] function\_name(type param1, type param2, ...) { }
* Show Math example.
* Compare and contrast Java style vs Python style:
* biggest difference = As with everything, Java needs to know the type of the parameters you are passing in, and the type of whatever the function returns.