

AP Computer Science Review Day 1

(During Junior Internships)

Tasks for the day

Part 1 (30 minutes) (in Lab)

Please find your way to the [Java Review](#) page and do the following exercises:

- 1) String – [Easy Multiple Choice](#) then [Medium Multiple Choice](#)
- 2) Conditionals – [Easy Multiple Choice](#) then [Medium Multiple Choice](#)
- 3) Arrays – [Looping with the For-Each Loop](#) (click on the link for the Java Visualizer to see what is happening as the program code runs then do the “Mixed up program” at the bottom of the page)
- 4) Arrays – [Using a For Loop to Loop Through an Array](#) (Do the “Mixed up program” at the bottom of the page)

Part 2 (30 minutes) (in Class)

Array Traversal Methods Practice

Complete the methods that I have for you on the handouts.

Part 3 (30 minutes) (Lab)

Go to the lab to work on CodingBat exercises

(Reminder that Array2 exercises are due on Saturday)

Array Traversal #1

Example: Return the sum of all elements in the array.

```
public int returnSum(int [] a)
{

}
}
```

Array Traversal #2

Example: Return the greatest element in the array.

```
public double returnGreatest(double [] b)
{

}
}
```

Array Traversal #3

Example: Return the index of the smallest element in the array.

```
public int leastIndex(double [] c)
{

}
}
```

Array Traversal #4

Example: Return a String that has all of the Strings in the array concatenated.

```
public String concatenate(ArrayList <String> theList)
{

}
}
```