

4/19/17

Meetup #5: MIT Course Lesson 3

Today we completed MIT Lesson 3 about loops and arrays. We also completed the assignment #3 called Marathon. See below (page 2) for a copy of the code. I will be setting up a GitHub for our group to hold code in the future.

We will pick up on lesson 4 at the next meetup.

Please review lesson 4 for the next meetup. We will start working on objects and classes.

<https://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-092-introduction-to-programming-in-java-january-iap-2010/>

Our code from Marathon assignment:

```
class Marathon {
    public static void main(String[] arguments) {
        String[] names = {
            "Elena", "Thomas", "Hamilton", "Suzie", "Phil", "Matt", "Alex", "Emma", "John",
            "James", "Jane",
            "Emily", "Daniel", "Neda", "Aaron", "Kate" };
        int[] times = {
            341, 273, 278, 329, 445, 402, 388, 275, 243, 334, 412, 393, 299, 343, 317, 265 };

        for (int i = 0; i < names.length; i++) {
        }
        int firstPlace = 0;
        int firstIndex = 0;
        int secondPlace = 0;
        int secondIndex = 0;

        for (int i = 0; i < times.length; i++) {
            if (times[i] > firstPlace) {
                firstIndex = i;
                firstPlace = times[i];
            }
        }
        System.out.println(names[firstIndex] + " " + firstPlace);

        for (int j = 0; j < times.length; j++) {
            if (times[j] > secondPlace && times[j] != firstPlace) {
                secondIndex = j;
                secondPlace = times[j];
            }
        }
        System.out.println(names[secondIndex] + " " + secondPlace);
    }
}
```