**Training Days**

As a seasoned athlete, one of your favorite activities is running marathons. You use a service called Training Days that sends you a message for the condition you signed up for and the days you have left to train.

Since you also code, program currently uses the wrong scope for its variables. In this project you will make Training Days more maintainable and less error-prone by fixing variable scopes.

Let’s get started.

**1.**

In the console we can see that the program is broken!

Ideally, the getRandEvent() function returns an activity at random. (“Marathon”, Triathlon”, “Pentathlon”).

**2.**

The getTrainingDays() function returns the number of days to train, based on the activity selected.

Declare trainingDays variable within the getTrainingDays function. Then, write a conditional; decide trainingDays is how many day (50,75 or 100) according to the condition ,

## 3. Make athlete global

The logEvent() and logTime() functions print the athlete name, condition, and number of days to the console.

The log functions–logEvent() and logTime()–use the same athlete variable. There seems to be a problem with the scoping; we can mention the amount of duplicate code here!

Let’s avoid this repetition by adding athlete as the first parameter for each function.

**4.**

Move the athlete variable to global scope.

**5.**

Pass athlete as the first argument to logEvent() and logTime().

**6.**

Check that the program still works! Run it and check the output.

## 7. Make random local

Try the functions for another competitor (“Warren”).

Create athlete-2 variable and run getRandEvent() and getTrainingDays() functions to assign new variables; sport-2 and days-2.

Call logEvent() and logTime() functions.

**8.**

Run the program. The activities should assigned randomly, but “Nala” and “Warren” are running the same activity!

**9.**

We see that the random variable is defined in the global scope. Each time getRandEvent() is called, it uses the same value.

At the top of the file, move the random variable from the global scope to block scope within the getRandEvent function.

**10.**

Well done! Training Days is more maintainable and less error-prone thanks to your work. Run the program a few times to make sure the results are randomized.