PHP Exercises - Block 3

Initialize the values of the variables that are needed with a bounded random value taking into account the statement.

Create a **Runner** class to store each runner's information: name, code (alphanumeric), and an array with the times (in seconds) of each race they have taken part in. Each runner can't take part in more than 5 races.

The runner class has an **addRace** method. It adds a new race to the runner's race list.

You have to throw another exception if:
- There's a race that is less than 5 seconds.
- The runner already has 5 races.

Create a **Competition** class that stores in an associative array the runner codes (alphanumeric) as the keys and the runners as values.

The Competition class has an **addRunner** method that takes a runner as a parameter and adds it to the associative array.

The Competition class has an **addRaceToRunner** method to add a race to a runner. Given a runner code and a time, you have to add the race to the corresponding runner.

Calculate the following:
- The average time of the 1st race of all the runners.
- The runner with the quickest race.
- Return an array with all the runners' names that spent more than 15 seconds in more than 2 races.
- Return an array with all the runners whose name ends with "e".

Each class has to be in a separate file. Create a new php file to test your code.

All the instance variables are private. Use the necessary getter and setter methods.