

Python programming challenge

Attached you will find a compressed Python project. As you will see, it contains several unit tests, none of which passes. Your task is to modify the functions and classes so that all the tests become accepted - ***without modifying the tests themselves***.

More details:

1. Import the project in your preferred IDE (if you don't have one, we recommend PyCharm)
2. Launch all the unit tests and verify that they all fail.
3. Create a GitHub account if you don't have one, create a new project and commit the code as is.
4. Appropriately modify the files BasicFunctions, MoreFunctions and SomeClasses (but do not touch the Utils file!).
5. Commit everything to GitHub and share the repository with us.

Remarks:

1. Caution, as you will notice, we are using **pytest** framework, not simply **unittest**. This might require changing some project settings (for example in PyCharm it is needed).
2. Code will be reviewed and discussed with us, so clarity counts.
3. There are many ways of completing the tasks - try finding the most elegant and “pythonic” you can.
4. You are not allowed to share any piece of this assignment with anyone and of course all the work should be done independently. On the other hand, consulting books, Internet sites and similar sources is not only allowed, but even encouraged.

Good luck!