Wrocław, 04.05.2023

Unit testing practice

1. Download two files: calculator.py and employee.py and import them to your project
2. Create test classes for these classes using *unittest* library
3. Create unit tests for the calculator class. They should cover:
   1. Normal cases
   2. Edge cases
   3. Possible errors
4. Your test class should have “main function” – part of the script that will be executed first
5. After you write all your test, write the body of the functions inside the calculator class.
6. In case of the employee class the code is already written. Don’t look too much into it 😊. Write the unit tests to test if it is working correctly based on additional specification below. Also remember about normal and edge cases as well as possible errors. If you find the errors go to the code and correct it.
7. Don’t create new object for testing every time you need an employee – create first additional method *set\_up\_employees*, which will create 2-3 different object as attributes of the class.

Additional information about the employee class:

* 1. Employee instance have information about first name, last name and a pay
  2. Email should be automatically set based on the attributes as [first\_name.last\_name@email.com](mailto:first_name.last_name@email.com)
  3. Apply raise should change the pay by 5%
  4. Apply cut should change the pay by 5%
  5. The full name should be as follow “first\_name last\_name”