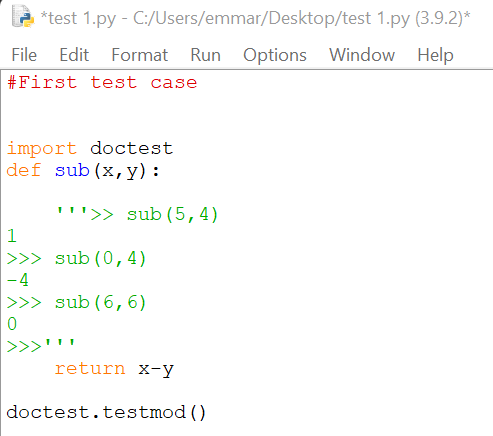
SQA ASSIGNMENT 1

M. Ammar Ahmad 231492719

# TEST CASE 1:

In first test case doc testing is used. The function takes two inputs and subtract them and if the test cases are correct there would be no errors in the cmd.



If we change the - sign to \* as follow

A picture containing chart

Description automatically generated

The output would be:

A picture containing timeline

Description automatically generated

# Test Case 2:

In second test attribute testing is used to test the program. A condition is made within the program and if the result is according to that, the program is considered successful.

Text

Description automatically generated

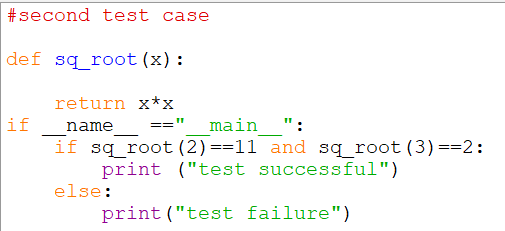
Result with the correct answers in test cases:

A picture containing diagram

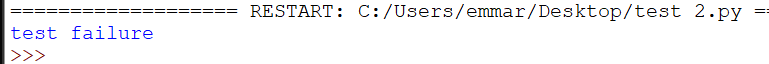
Description automatically generated

If the program is changed as follow:

The answers are changed

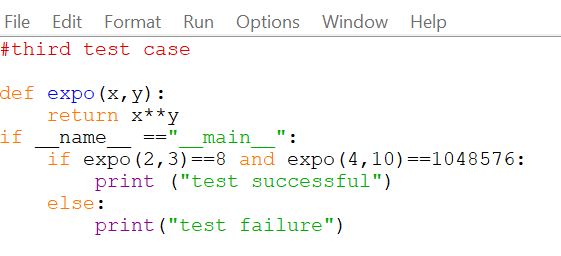


The output would be:



# Test case 3:

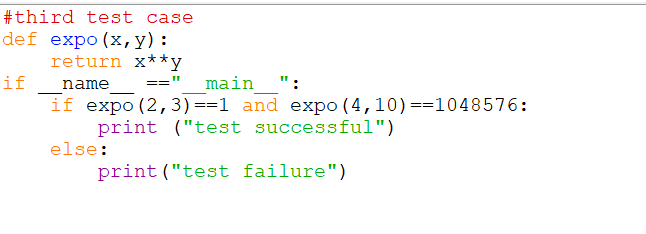
In program attribute testing is used just like the previous one with the exponential function.

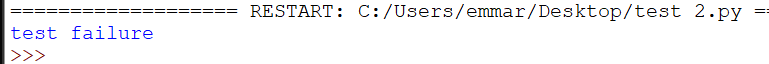


A picture containing diagram

Description automatically generated

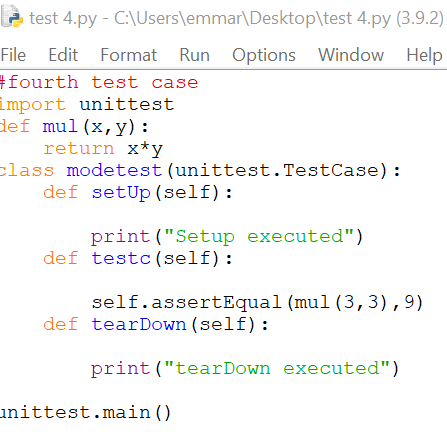
When the answers are changed in the cases, the output would be test failure and if they are correct the output would be test successful.

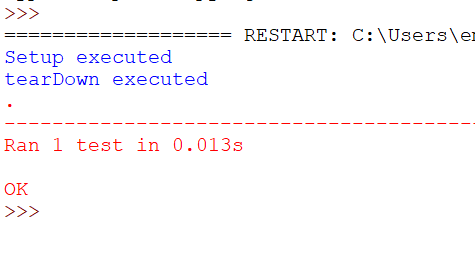




# Test case 4:

In test case 4, unit testing technique is used to test the program.If the test is successfully executed Ok is printed and if there is a failure F is printed on the prompt.

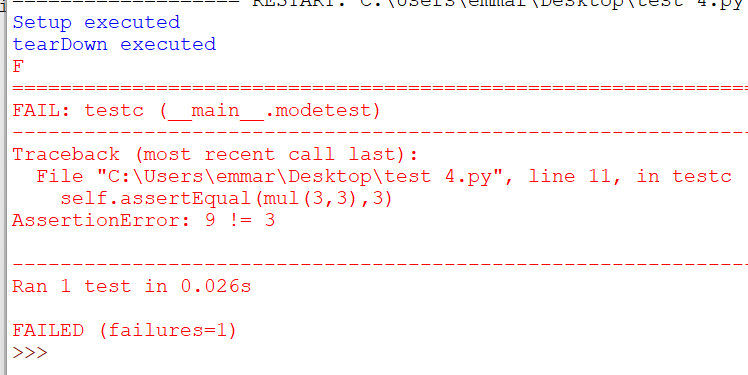




If the output result is changed from 9 to some other number:

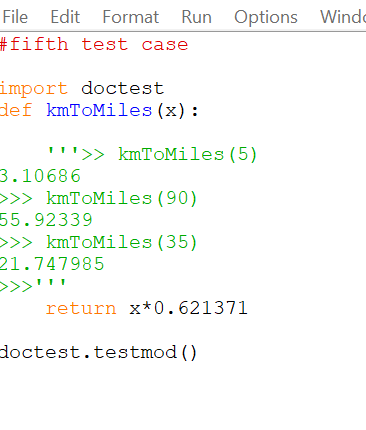
Text

Description automatically generated



# TEST CASE 5:

In test case 5 doctest technique is used just as the test case 1 where the conditions are provided and the answers are compared to the expected output.



When this program is executed there are no errors displayed. And when the wrong answers are provided within the program the following output is displayed.

