

Subject:

TC4002 - Analysis, Design and Construction of Software Systems

Professor:

Gerardo Padilla Zarate

L3.1 - Development Exercises**Student:**

Juan Francisco Corral Stenner

A00354823

16) Given the `math.ceil` function,

- Define a set of unit test cases that exercise the function (Remember Right BICEP)

Test Results	3 ms	Testing started at 02:...
lab3_16	3 ms	C:\Users\jucorral\Doc...
TestCeil	3 ms	
test_edge_cases	3 ms	
test_happy_paths	0 ms	Ran 4 tests in 0.006s
test_sad_paths	0 ms	
test_types	0 ms	OK

17) Given the `math.factorial` function,

Define a set of test cases that exercise the function (Remember Right BICEP)

Test Results	13 ms	Testing started at 02:...
lab3_17	13 ms	C:\Users\jucorral\Doc...
TestFactorial	13 ms	Launching unittests w...
test_edge_cases	13 ms	
test_happy_paths	0 ms	
test_sad_paths	0 ms	
test_types	0 ms	Ran 4 tests in 0.014s

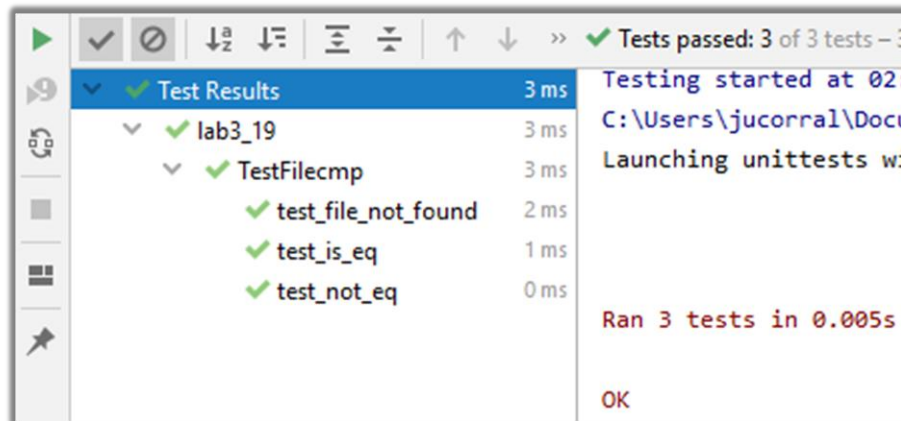
18) Given the `math.pow` function,

Define a set of test cases that exercise the function (Remember Right BICEP)

Test Results	1 ms	Testing started at 02:...
lab3_18	1 ms	C:\Users\jucorral\Doc...
TestPow	1 ms	Launching unittests w...
test_happy_paths	1 ms	
test_pow_vs_builtin	0 ms	
test_sad_paths	0 ms	
test_types	0 ms	Ran 4 tests in 0.004s

19) Given the filecmp.cmp function,

Define a set of test cases that exercise the function (Remember Right BICEP)



20) Implement a class that manages a directory that is saved in a text file. The data saved includes:

- Name
- Email
- Age
- Country of Origin

The class should have capabilities to:

- Add new record
- Delete a record
- Look for a record by mail and age
- List on screen all records

