

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

SortedList.cpp

PersistedSettings.json

test_1.py

test_triangleClassification.py

55

define multiple sets of tests as functions with names that begin

56

with 'test'. Each function may include multiple tests

57

def testSet1(self): # test invalid inputs

58

your tests go here. Include as many tests as you'd like

59

self.assertEqual(classifyTriangle(3,4,5),'Right','3,4,5 is a Right triangle')

60

self.assertEqual(classifyTriangle(4,3,5),'Right','3,4,5 is a Right triangle')

61

self.assertEqual(classifyTriangle(5,4,3),'Right','3,4,5 is a Right triangle')

62

self.assertNotEqual(classifyTriangle(3,4,6),'Right','3,4,6 is not a Right tria

63

64

def testMyTestSet2(self):

65

define multiple test sets to test different aspects of the code

66

notice that tests can have bugs too! (Fixed!)

67

self.assertEqual(classifyTriangle(10,10,6),'Isosceles','10,10,6 is a Isosceles t

68

self.assertEqual(classifyTriangle(6,10,10),'Isosceles','10,10,6 is a Isosceles t

69

self.assertEqual(classifyTriangle(10,6,10),'Isosceles','10,10,6 is a Isosceles t

70

self.assertNotEqual(classifyTriangle(10,6,7),'Isosceles','10,6,7 is not a Isosce

71

72

def testSet3(self):

73

self.assertEqual(classifyTriangle(21,20,19),'Scalene','21,20,19 is a Scalene t

74

self.assertEqual(classifyTriangle(20,21,19),'Scalene','21,20,19 is a Scalene t

75

self.assertEqual(classifyTriangle(21,19,20),'Scalene','21,20,19 is a Scalene t

76

self.assertNotEqual(classifyTriangle(21,21,21),'Scalene','21,21,21 is Not a Sc

77

78

def testSet4(self):

79

self.assertEqual(classifyTriangle(2,2,2),'Equilateral','2,2,2 is a Equilateral

80

self.assertEqual(classifyTriangle(3,3,3),'Equilateral','3,3,3 is a Equilateral

81

self.assertEqual(classifyTriangle(4,4,4),'Equilateral','4,4,4 is a Equilateral

82

self.assertNotEqual(classifyTriangle(1,2,2),'Equilateral','1,2,2 is Not Equila

83

84

def testSet5(self):

85

self.assertEqual(classifyTriangle(1,5,2),'NotATriangle','1,5,2 is Not a triang

86

self.assertEqual(classifyTriangle(6,5,1),'NotATriangle','6,5,1 is Not a triang

87

self.assertEqual(classifyTriangle(30,10,10),'NotATriangle','30,10,10 is Not a

88

self.assertNotEqual(classifyTriangle(4,3,2),'NotATriangle','4,3,2 is a triang

89

90

91

if __name__ == '__main__':

92

examples of running the code

93

runClassifyTriangle(1,2,3)

94

runClassifyTriangle(1,1,1)

95

runClassifyTriangle(3,4,5)

96

runClassifyTriangle(3,3,5)

97

#unittest.main(exit=False) # this runs all of the tests - use this line if running

98

unittest.main(exit=True) # this runs all of the tests - use this line if running f

99

Python length: 4,360 lines: 98

Ln: 88 Col: 77 Sel: 0 | 0

Windows (CR LF)

UTF-8

INS

Jason@MSI: /mnt/d/fall2020/ssw/pytest_project

[16%]

test_triangleClassification.py

[100%]

===== 6 passed in 0.06s =====

(pytest-env) Jason@MSI:/mnt/d/fall2020/ssw/pytest_project\$ python test_triangleClassific

ation.py

classifyTriangle(1 , 2 , 3)= NotATriangle

classifyTriangle(1 , 1 , 1)= Equilateral

classifyTriangle(3 , 4 , 5)= Right

classifyTriangle(3 , 3 , 5)= Isoceles

.....

Ran 5 tests in 0.001s

OK

(pytest-env) Jason@MSI:/mnt/d/fall2020/ssw/pytest_project\$ pytest

===== test session starts =====

platform linux -- Python 3.6.9, pytest-6.0.1, py-1.9.0, pluggy-0.13.1

rootdir: /mnt/d/fall2020/ssw/pytest_project

collected 6 items

test_1.py .

[16%]

test_triangleClassification.py

[100%]

===== 6 passed in 0.04s =====

(pytest-env) Jason@MSI:/mnt/d/fall2020/ssw/pytest_project\$