

**CSCS 351**

**Software Quality Assurance**

**Spring 2021**

**Assignment 1**

**Test Report**

**Submitted To: Mr. Saad Bin Saleem**

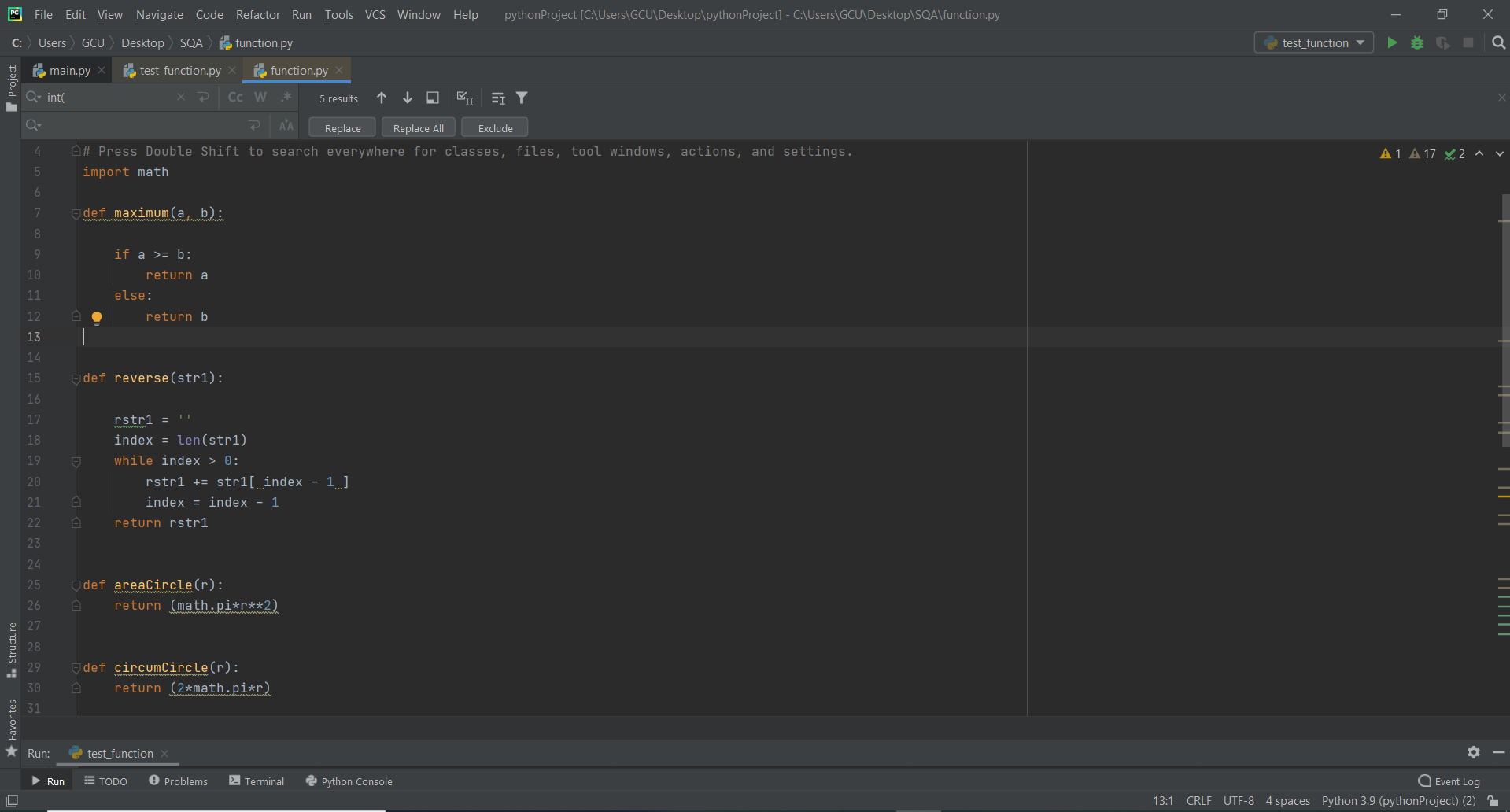
**Submitted By: Anmool Yarmiah**

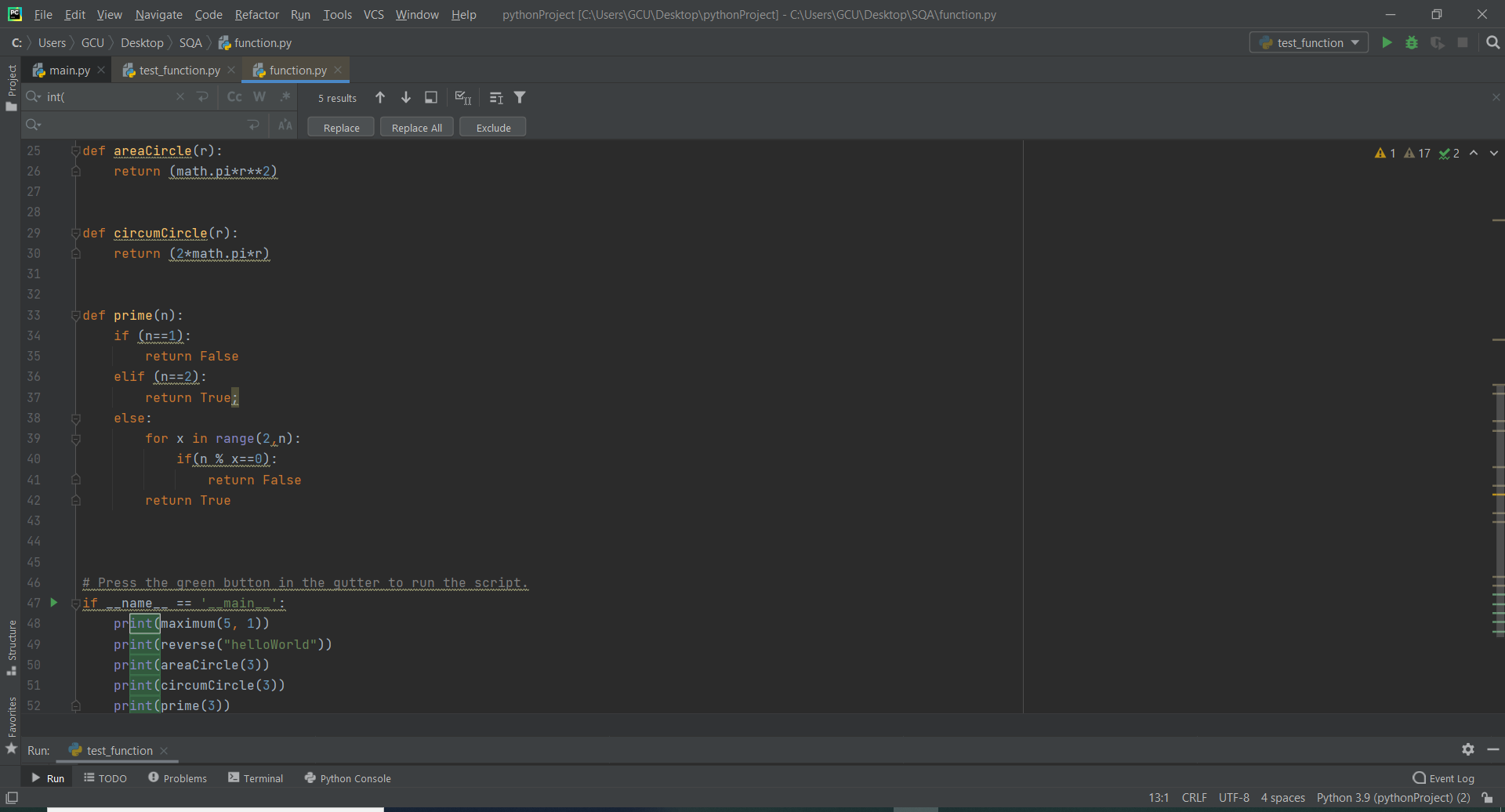
**Roll Number: 21-11388**

**Section: A**

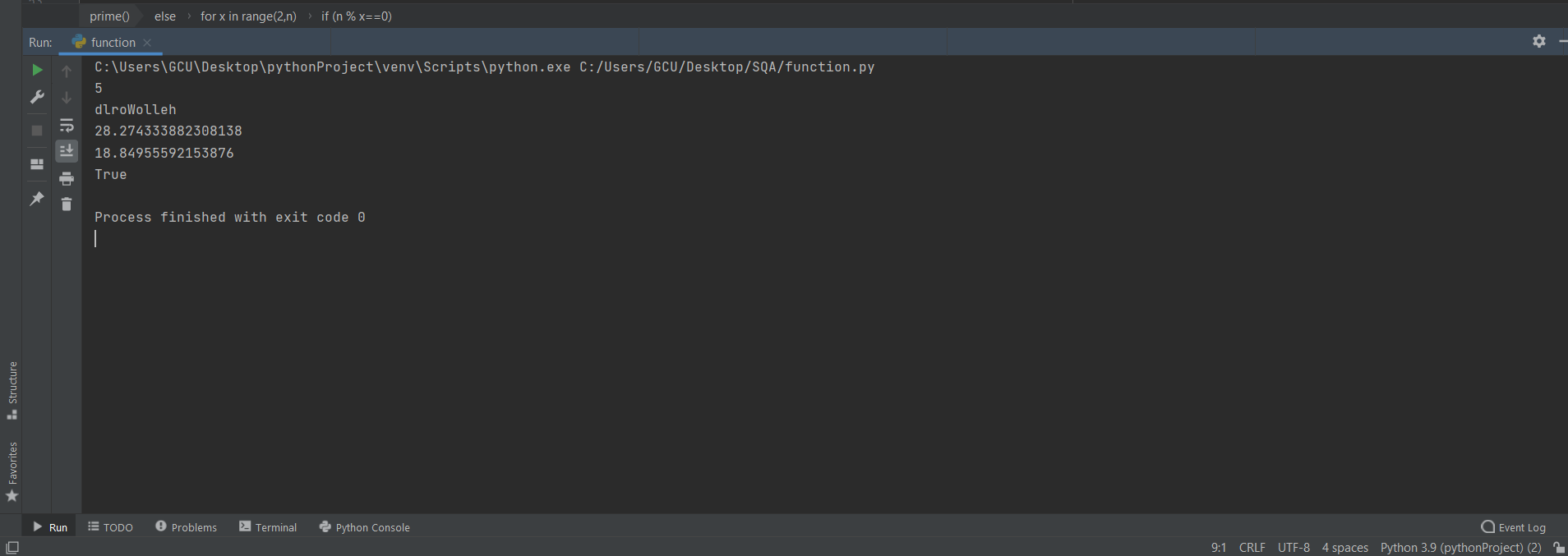
**Writing a test report with screenshots of all the test cases and programs used for testing.**

1. **Snapshot Of The Code To Be Tested**

****

****

**Output of Code to Be Tested:**

****

**Code of the Function:**

import math

def maximum(a, b):

if a >= b:

return a

else:

return b

def reverse(str1):

rstr1 = ''

index = len(str1)

while index > 0:

rstr1 += str1[ index - 1 ]

index = index - 1

return rstr1

def areaCircle(r):

return (math.pi\*r\*\*2)

def circumCircle(r):

return (2\*math.pi\*r)

def prime(n):

if (n==1):

return False

elif (n==2):

return True;

else:

for x in range(2,n):

if(n % x==0):

return False

return True

# Press the green button in the gutter to run the script.

if \_\_name\_\_ == '\_\_main\_\_':

print(maximum(5, 1))

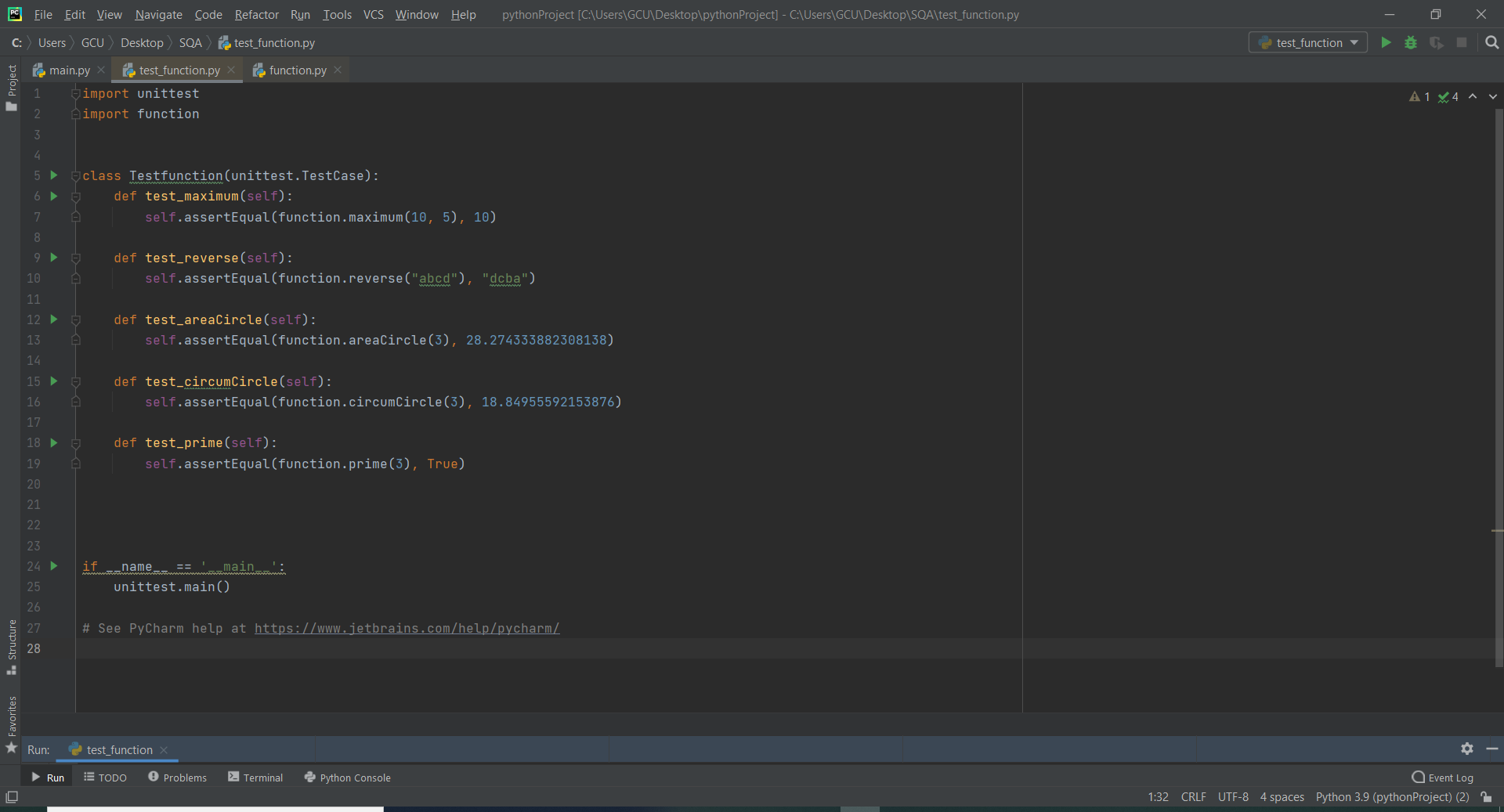
print(reverse("helloWorld"))

print(areaCircle(3))

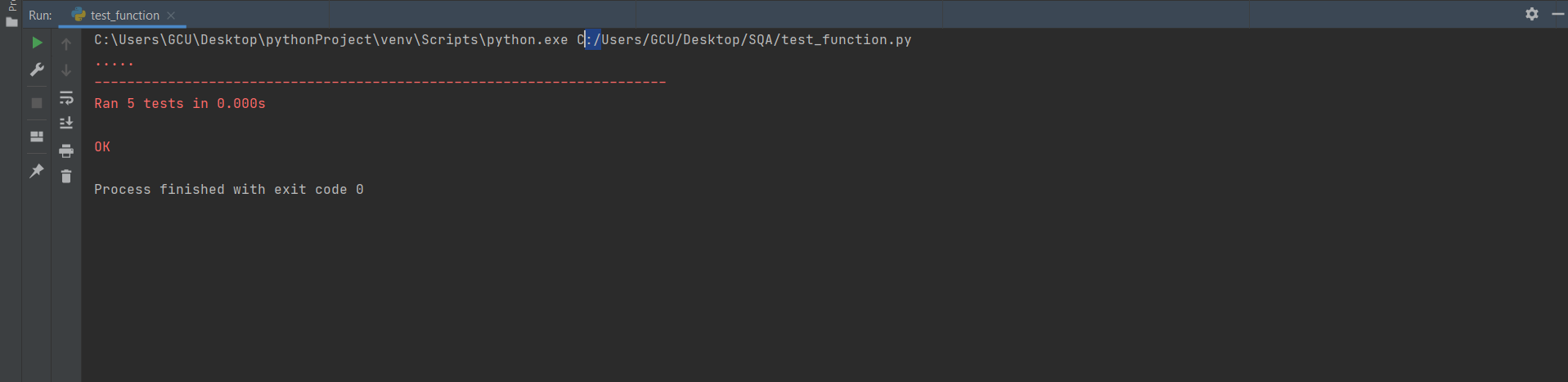
print(circumCircle(3))

print(prime(3)

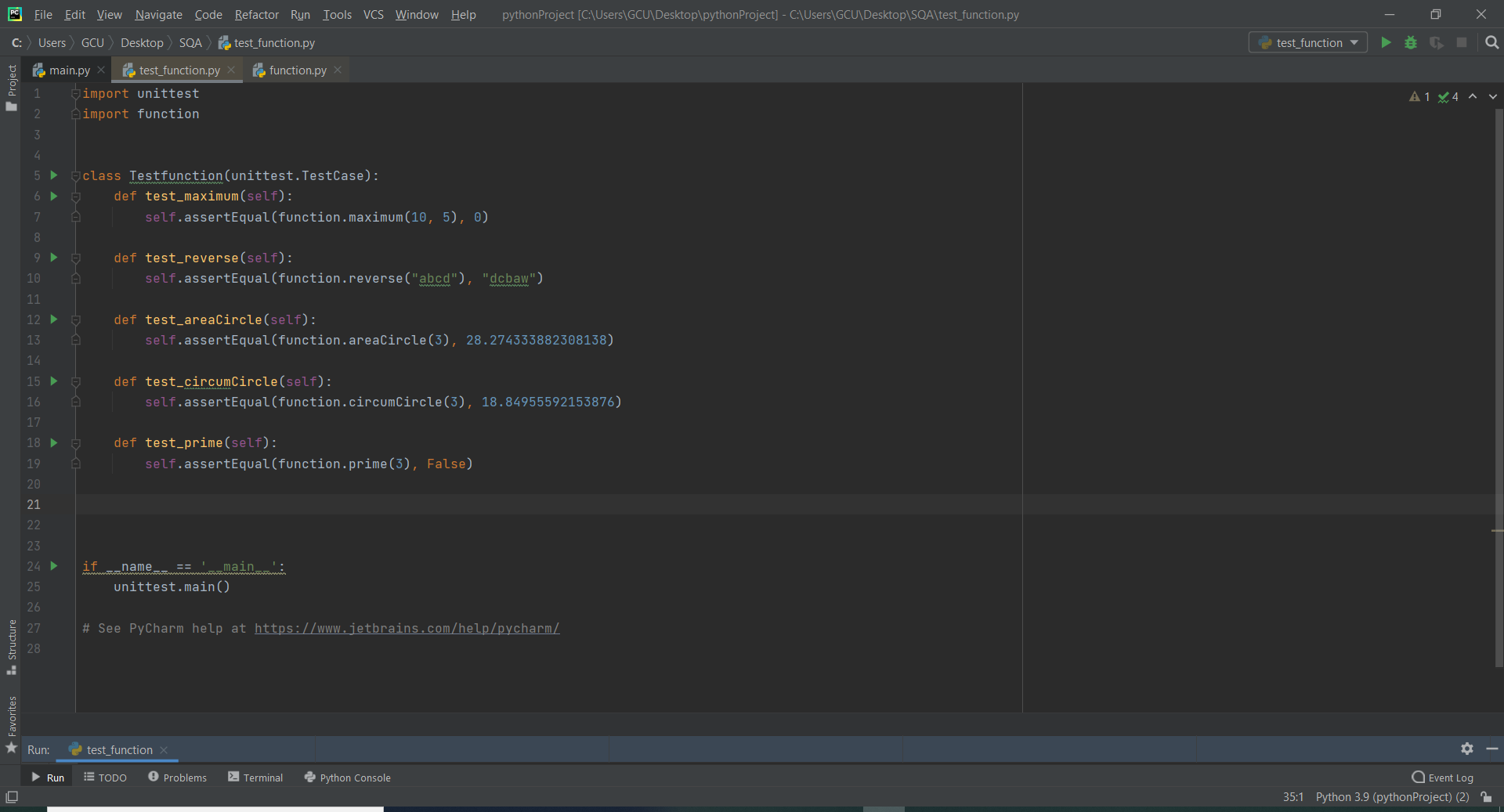
1. **Snapshot of the Test Functions**

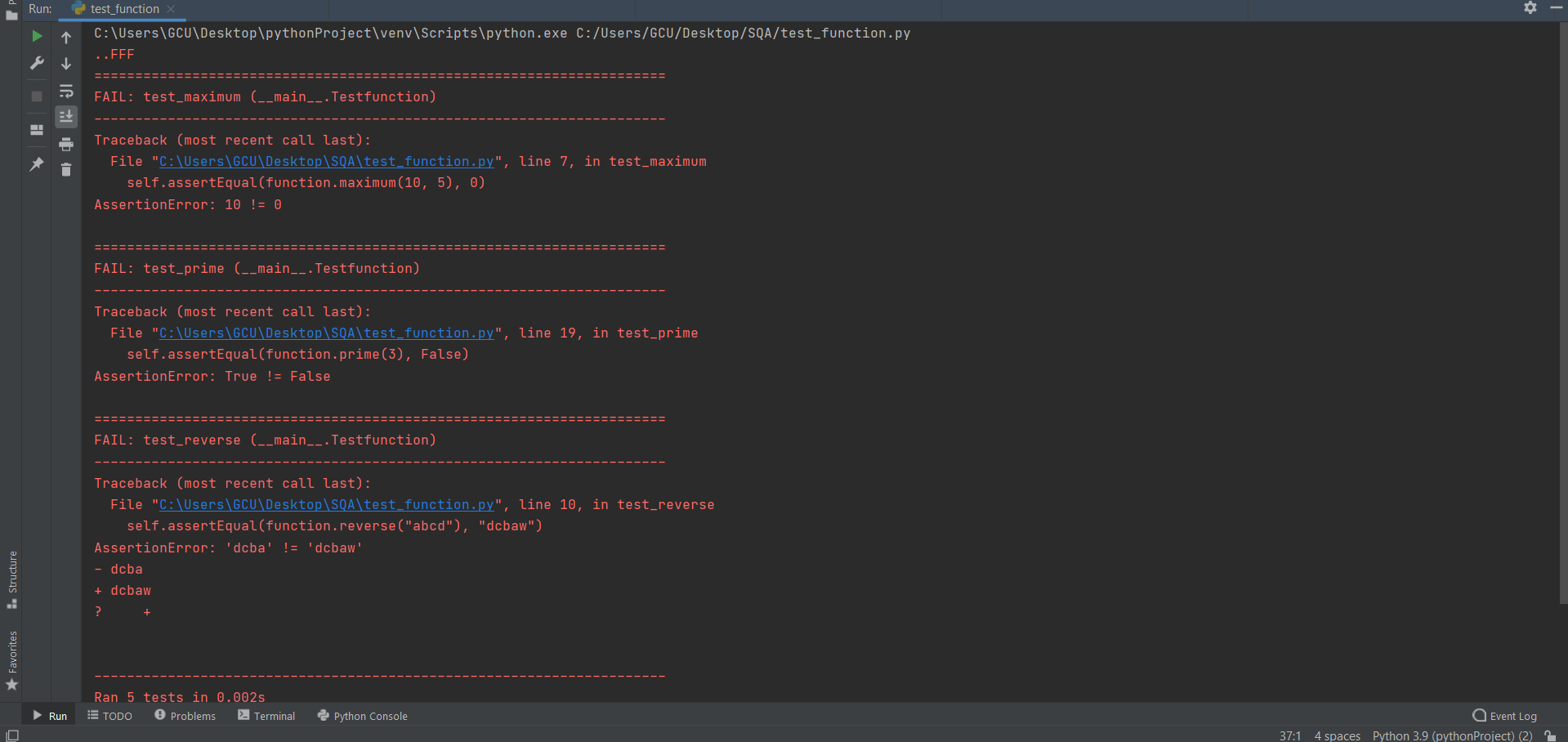
****

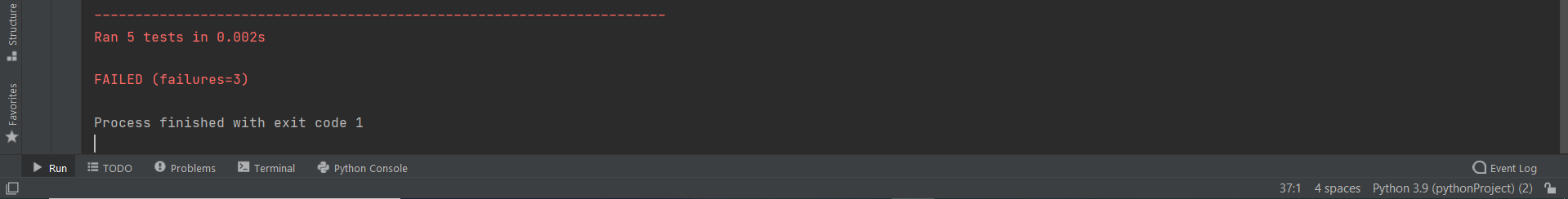
**Test Case Ok Result:**

****

**Test Case Fail Result:**

****

****

****

**Test Cases Code:**

import unittest

import function

class Testfunction(unittest.TestCase):

def test\_maximum(self):

self.assertEqual(function.maximum(10, 5), 10)

def test\_reverse(self):

self.assertEqual(function.reverse("abcd"), "dcba")

def test\_areaCircle(self):

self.assertEqual(function.areaCircle(3), 28.274333882308138)

def test\_circumCircle(self):

self.assertEqual(function.circumCircle(3), 18.84955592153876)

def test\_prime(self):

self.assertEqual(function.prime(3), True)

if \_\_name\_\_ == '\_\_main\_\_':

unittest.main()