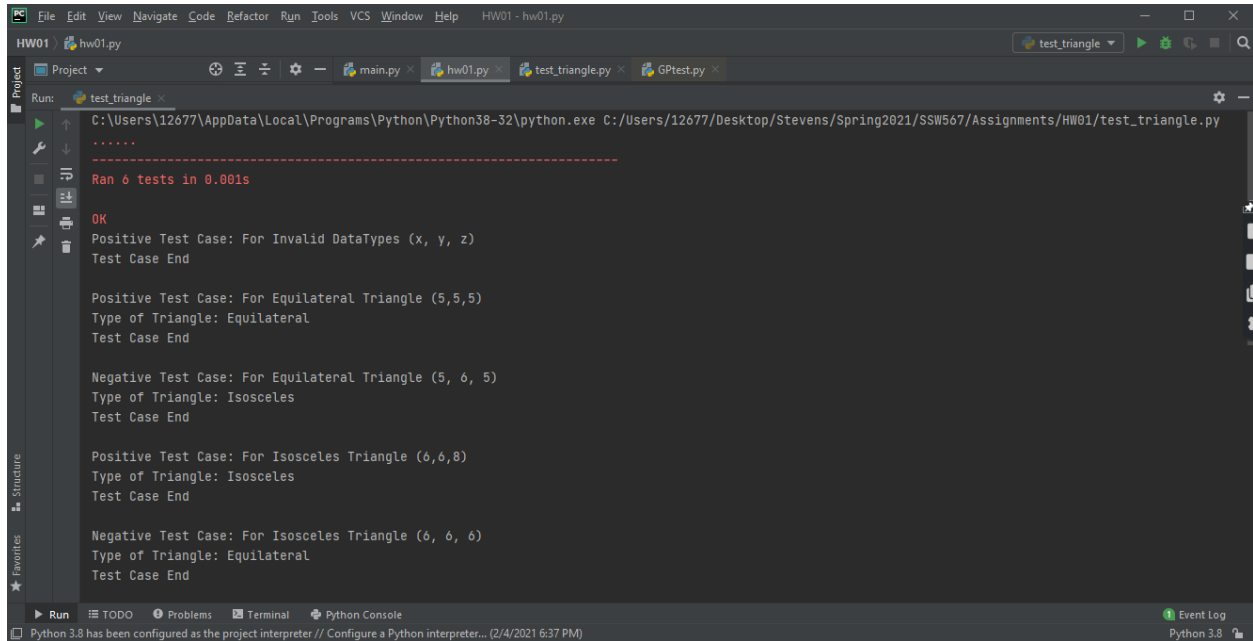


HW 01: Testing triangle classification

Name: Nicole Annika Gonsalves

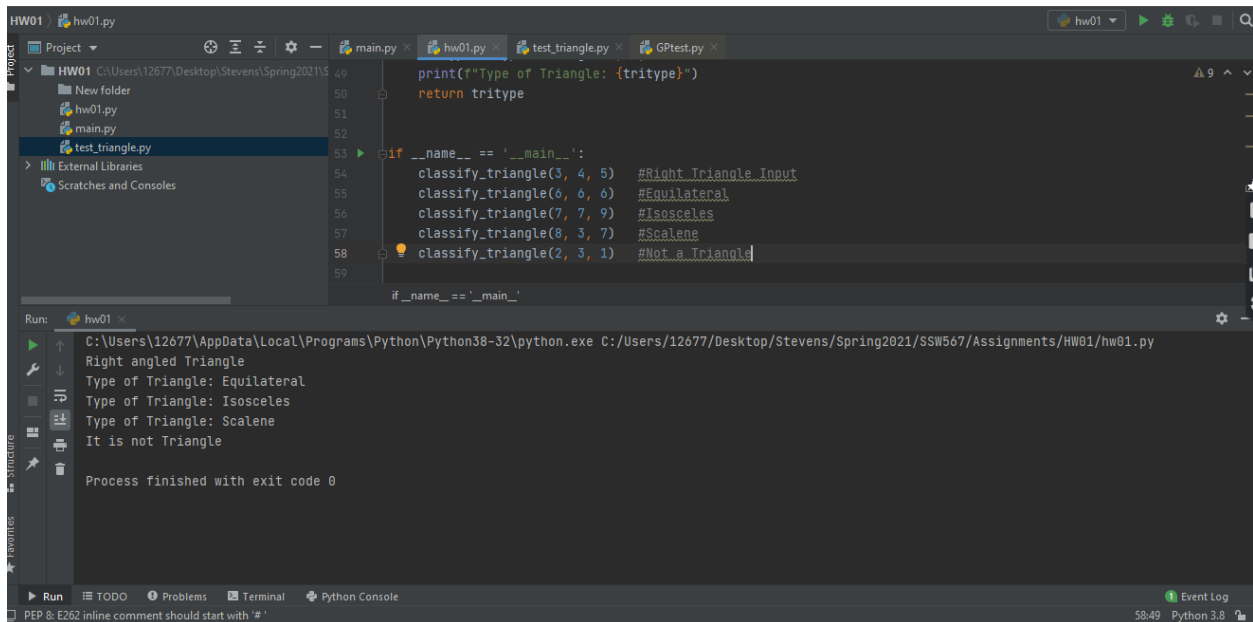
Screenshots:

Test Output



```
File Edit View Navigate Code Refactor Run Tools VCS Window Help HW01 - hw01.py
HW01 / hw01.py
Project
Run: test_triangle x
C:\Users\12677\AppData\Local\Programs\Python\Python38-32\python.exe C:/Users/12677/Desktop/Stevens/Spring2021/SSW567/Assignments/HW01/test_triangle.py
.....
Ran 6 tests in 0.001s
OK
Positive Test Case: For Invalid DataTypes (x, y, z)
Test Case End
Positive Test Case: For Equilateral Triangle (5,5,5)
Type of Triangle: Equilateral
Test Case End
Negative Test Case: For Equilateral Triangle (5, 6, 5)
Type of Triangle: Isosceles
Test Case End
Positive Test Case: For Isosceles Triangle (6,6,8)
Type of Triangle: Isosceles
Test Case End
Negative Test Case: For Isosceles Triangle (6, 6, 6)
Type of Triangle: Equilateral
Test Case End
Run TODO Problems Terminal Python Console
Python 3.8 has been configured as the project interpreter // Configure a Python interpreter... (2/4/2021 6:37 PM)
Event Log
Python 3.8
```

Main Function Input/Output



```
HW01 / hw01.py
Project
HW01 C:\Users\12677\Desktop\Stevens\Spring2021\SSW567\Assignments\HW01
  New folder
  hw01.py
  main.py
  test_triangle.py
External Libraries
Scratches and Consoles
49 print(f"Type of Triangle: {tritype}")
50 return tritype
51
52
53 if __name__ == '__main__':
54     classify_triangle(3, 4, 5) #Right Triangle Input
55     classify_triangle(6, 6, 6) #Equilateral
56     classify_triangle(7, 7, 9) #Isosceles
57     classify_triangle(8, 3, 7) #Scalene
58     classify_triangle(2, 3, 1) #Not a Triangle
59
60 # __name__ == '__main__'
Run: hw01 x
C:\Users\12677\AppData\Local\Programs\Python\Python38-32\python.exe C:/Users/12677/Desktop/Stevens/Spring2021/SSW567/Assignments/HW01/hw01.py
Right angled
Type of Triangle: Equilateral
Type of Triangle: Isosceles
Type of Triangle: Scalene
It is not Triangle
Process finished with exit code 0
Run TODO Problems Terminal Python Console
PEP 8: E262 inline comment should start with '#'
58:49 Python 3.8
```

1. **What challenges did you encounter with this assignment, if any?**

Answer:

For this assignment, I was conflicted between a scenario that would arise if a triangle is an Isosceles and a Right angled Triangle. I went back and forth with the idea with what to do, so I gave priority to it being a Right Triangle over an Isosceles Triangle.

2. **What did you think about the requirements specification for this assignment?**

Answer:

I felt the requirement of the assignment was a bit incomplete a Triangle can be an Isosceles and Right Triangle also so that would create a conflict. There is no preference mentioned to which one to choose.

3. **What challenges did you encounter with the tools?**

Answer:

I used unit testing code in a separate test file. Hence I was getting an error cause I was not importing from the main program. Other than that I had to just brush up a little on my assertion knowledge as I have used unit testing previously.

4. **Describe the criteria you used to determine that you had sufficient test cases, i.e. how did you know you were done?**

Answer:

I made sure that I had a positive and negative test scenario for every type of Triangle, so that I was satisfied with the conditions considered.

Also satisfied with the edge conditions that were considered like type of input.