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

In this assignment, the biggest challenge is that I need to deal with all possible cases in the function and include all kinds of inputs in the test cases (like negative value inputs, not-a-number inputs, etc). Therefore, I have set three categories of testing cases which represent invalid triangle, right triangle, and common triangle.

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

The requirement does not mention the cases if the input values are invalid (like negative value or not-a-number). Besides, the requirement does not specify what string should the function return in each case. The type of three input parameters (integer or float) is not specified as well.

* What challenges did you encounter with the tools?

At first, the Unittest tool cannot read all the functions I wrote in the test class. After checking the instruction of Unittest found that only functions that start with “test\_” can be collected by the tool. These naming mistakes have bothered me for a while.

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

First, I include all the cases that might cause errors in the function (like invalid inputs). Then I listed all the possible outputs of the functions and add one or two cases of each output. Finally, I should consider is there any details that can cause the failure of the program. In this case, the comparison between float numbers might cause unexpected results so I round all float numbers to two digits and add test cases about float numbers.