# HW-3

1. Create a **function** which will accept the shape of an object (circle, rectangle, or a shape of your choice) and then calculate its corresponding area. Examples –

A screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

* + Modify you function to perform one addition shape of your choice
  + Prompt user to provide arguments accordingly (e.g., base, height)

1. Create another **function** which can accept an unlimited number of values as its arguments and return the **sum, average, maximum, and minimum**
   * Examples
     + Foo(1, 3, 4) # return 8 (sum), 2.67 (avg), 4 (max), and 1 (min)
     + Foo(5, 10,15, 20, 25) # return the respective results
     + Where Foo is the name of your function. You are creating one single function for this exercise
2. **Always Include your name as the author** (in a comment) in all of your coding assignments. This applies to both HWs and projects
3. Test your programs
   * If a program is incomplete or not working, clearly articulate your situation in details in order to potentially earn partial credit
   * No credit (0 points) will be given if your project is not working and I have no idea why it’s not working
4. In a small write-up (several paragraphs will do), discuss your learning experience
   * What did you learn?
   * What challenges did you encounter, if any?
   * Anything else you would like to mention?
   * **What enhancement(s) did you make? (I will look for this)**
   * Capture screenshots of a few of your test runs in your write-up
     + Convince me that your program (app) is working
   * **Submit your write-up as a PDF file (only)**
5. Compress your code (one or more py files) and the write-up as a zip file
6. Submit your compressed file to the assignment link (do not email it)
7. **I grade each submission by -**
   * **Read your write-up and learning experience**
   * **Randomly test one of the submitted piece of coding on my computer**