Programmers Journal - Unit 2 Lesson 3

Exercise 5-1

name = input("Please enter your name: ")

print("Hello, Welcome back " + name + "!")

Exercise 5-2

import math

a= float(input("enter value for a:"))

b= float(input("enter value for b:"))

c= math.sqrt(a\*\*2 + b\*\*2)

print (c)

Exercise 5-3

num1= float(input("enter value for num1:"))

num2= float(input("enter value for num2:"))

num3= float(input("enter value for num3:"))

largest= max(num1, num2, num3)

smallest= min(num1, num2, num3)

average= (num1 + num2 + num3) / 3

average\_rounded= round(average, 2)

print("the smallest number is", smallest)

print("the largest number is", largest)

print("the average of the three numbers is", average\_rounded)

Exercise 5-4

from math import exp

s = "e to the power of {:d} is {: >.5f}"

print( s.format ( -1, exp( -1 ) ) )

print( s.format ( 0, exp( 0 ) ) )

print( s.format ( 1, exp( 1 ) ) )

print( s.format ( 2, exp( 2 ) ) )

print( s.format ( 3, exp( 3 ) ) )

Exercise 5-5

from random import random

random\_int= 1+int( random () \* 10 )

print( "Your randomly generated integer is", random\_int)

I learned how to use a lot more commands in my code for various different situations, and different codes for inputs and exponents. I also learned how to use inputs in different temporary values so the code is more like a calculator rather than having to readjust the code every time. I had difficulties with a lot of these different exercises but with these difficulties I feel like I learned a lot. I feel like I successfully completed all of the exercises even if I had a lot of difficulties I had to overcome.