**PJ 1 Report My Name: Yaowei Lei**

**A. The following is my Python source program:**

**// Please copy your source program into here from your Visual Studio IDE.**

**// Your code here must be in color. You must not show screen prints here.**

**# Author: Yaowei Lei**

**# Date: 10/01/2021**

**# Purpose: CS119-PJ1: To play an adding-three-number game and earn/lose points for each win/lose.**

**def testAdd(s1, s2, s3) : # Define a function testAdd to add 3 numbers from user**

**points = 10 # 10 points for each game**

**sum = int(input("Please enter the sum of these 3 numbers: " )) # get 3 numbers from the user**

**if sum == ( int(s1)+int(s2)+int(s3) ) : # is sum really correct? must use int() to convert str to integer**

**print("Congratulations! You are right! You earn " + str(points) + " points now." )**

**list[0] += points # add points to total for win, list[0] is a global variable**

**# print("Therefore, you have " + str(list[0]) + " points in your account!" )**

**else : # incorrect answer from the user**

**print("Sorry, it is not correct! You lose " + str(points) + " points now." )**

**list[0] -= points # deduct points from total for loss, list[0] is a global variable**

**# print("Therefore, you have " + str(list[0]) + " points in your account!" )**

**# MAIN PROGRAM :**

**total\_points = 0 # variable to track total number of points for the player**

**list = [total\_points] # one-element list to make list[0] a global variable for all functions to update**

**print ("Welcome to the Super Numbering game of Yaowei Lei !!!")**

**your\_name = input("Please enter your full name: ")**

**print ( your\_name + ": Thank you for playing this number game. You have " + str(list[0]) + " points to start. ")**

**while True: # keep running until the user says "no"**

**s1 = input("Enter first number: ") #string s1**

**s2 = input("Enter second number: ") #string s2**

**s3 = input("Enter third number: ") #string s3**

**print ("You just entered 3 numbers: ", s1, s2, s3) # show three numbers in strings**

**testAdd(s1, s2, s3) # calling function testAdd to check and give award or penalty**

**print("Now, you have " + str(list[0]) + " points in your account!" )**

**play\_again = input("Would you like to continue this game? 'yes' or 'no': ") #get player's input for continuation**

**if play\_again == "no" : # only "no" will stop this game**

**break # to leave this while loop and exit the game**

**print("Thank you for playing this wonderful game designed by Yaowei Lei !!!")**

**x = input("Press Ctrl+Alt+PrtScn to get a snapshot of this console, then ENTER to exit: ")**

**# End of MAIN PROGRAM**

**B. The following is the console output of my 3 test runs:**

**// One way to copy the console output is to press Ctrl+Alt+PrtScn.**

**// Another way to copy is to use the snipping tool. To paste the image is to press Ctrl+v.**

**// The console display must not be too wide, otherwise it will be too hard to read once pasted.**

**// Please make sure your console is long enough to show all your output lines to be captured.**

**// Please copy your console output and paste into here:**

**Test Case 1:**

The data for **test case #1** must be as follows in this exact sequence:

1 2 3 6 yes

4 5 6 15 yes

7 8 9 25 yes

10 11 12 33 yes

13 14 15 40 yes

16 17 18 51 yes

19 20 21 60 yes

22 23 24 70 yes

25 26 27 78 no

**Test Case 2:**

5 6 8 19 yes

15 68 12 95 yes

67 44 111 222 yes

56 87 444 587 yes

111 222 333 666 yes

98 45 47 190 yes

565 121 77 763 no

**Test Case 3:**

4 6 8 18 yes

657 44 45 78 yes

11 55 88 154 yes

5 5 5 15 yes

1 1 1 4 yes

8 8 8 24 yes

456 789 123 0 yes

2 5 8 15 yes

3 6 9 18 no

**Console output of Test Case 1:**

文本

描述已自动生成

**Console output of Test Case 2:**

文本

描述已自动生成

**Console output of Test Case 3:**

文本

描述已自动生成