#!/usr/bin/env python

# coding: utf-8

# In[1]:

listNumber = [3, 2, 5, 7, 9, 8, 6, 0, 1, 4]

# The last digit number of my student ID is 4.

# In[2]:

def function1(listN):

    """

    Parameter: listN

    Return: sum of last three elements

    """

    # extract last three elements from listN

    last\_three\_elements = listN[-3:]

    # get the sum of last three elements

    sum\_of\_last\_three\_elements = sum(last\_three\_elements)

    # return sum\_of\_last\_three\_elements

    return sum\_of\_last\_three\_elements

# In[3]:

resultFromF1 = function1(listNumber)

# In[4]:

def function2(resultFromF1):

    """

    Parameter: resultFromF1

    Return: None

    Displays unordered list of:

    • Return value of function1 is {resultFromF1}

    • User has three choices to guess the correct value

    • User got the correct answer/User did not get the correct answer

    """

    # variable to store status of user got the correct answer

    user\_got\_correct = False

    for i in range(3):

        # get user input

        user\_input = input("Guess the correct value: ")

        try:

            # convert user input to int and compare with resultFromF1

            if int(user\_input) == resultFromF1:

                user\_got\_correct = True

        except:

            # if cannot convert to int, let it be

            pass

    print(f"• Return value of function1 is {resultFromF1}")

    print(f"• User has three choices to guess the correct value")

    if user\_got\_correct:

        print(f"• User got the correct answer")

    else:

        print(f"• User did not get the correct answer")

# In[5]:

function2(resultFromF1)