ICTPRG302 - Apply introductory programming techniques –

Session 14 Worksheet

Functions

1. Task 1. Write the following functions and provide a program to test them.
   1. def smallest(x, y, z) (returning the smallest of the arguments)
   2. def average(x, y, z) (returning the average of the arguments)

Use the following code.

def smallest(**…**): # write your code instead of …

if x <= y <= z:

return x

elif x >= y <= z:

return y

else:

return z

def average(x, y, z):

return **…** / 3 # write your code instead of ….

# Get three int inputs from the user

numOne = int(input('Enter the first number: '))

numTwo = int(input('Enter the second number: '))

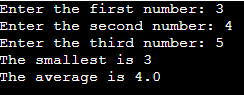
numThree = int(input('Enter the third number: '))

# Print the smallest and average function calls

print('The smallest is', smallest(numOne, numTwo, numThree))

print('The average is', average(numOne, numTwo, numThree))

Output example:



Task 2. Write a program to create a function show\_student(ID, name, surname) using the following conditions:

* It should accept the student’s ID, name and surname and then display each argument’s value
* Use the following code.

def **...** : # enter your code instead of ...

print(ID, name, surname)

try:

ID = input("Please enter ID: " )

name = input("Please enter name: " )

surname = input("Please enter surname: " )

show\_student(**…**) # enter your code instead of …

except:

print ("Error occurred")

Output example:

