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IST 652, Week 4

Activity 4.3: Functions

Code:

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﻿# define function

def nums():

count = 0

total = 0

avg = 0

while True:

inp = input('Enter a number:')

if inp == 'done':

break

try:

total = total + float(inp)

count = count + 1

except ValueError:

print('You must enter a number.')

avg = total / count

return count, total, avg

# run the function

cc, tt, a = nums()

print("Total Numbers Entered: ", str(cc))

print("Sum of all Numbers Entered: ", str(tt))

print("Average of Numbers Entered: {:.2f}".format(a))

Output:

﻿Enter a number:2

Enter a number:4

Enter a number:6

Enter a number:abc

You must enter a number.

Enter a number:d

You must enter a number.

Enter a number:7

Enter a number:8

Enter a number:9

Enter a number:10

Enter a number:30

Enter a number:b

You must enter a number.

Enter a number:done

Total Numbers Entered: 8

Sum of all Numbers Entered: 76.0

Average of Numbers Entered: 9.50