**Write a Python function to sum all the numbers in a list.**

Sample List : (8, 2, 3, 0, 7)

Expected Output : 20

Explanation:

Summation should like 8+2+3+0+7 = 20

num = [8, 2, 3, 0, 7]

total = 0

for x in num:

total += x

print(total)

A black screen with white text

Description automatically generated with low confidence

**Write a Python program to reverse a string.**

﻿*Sample String*: "1234abcd"

*Expected Output* : "dcba4321"

**def string\_reverse(str1):**

**rstr1 = ''**

**index = len(str1)**

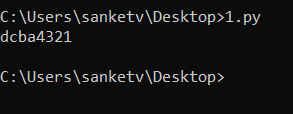
**while index > 0:**

**rstr1 += str1[ index - 1 ]**

**index = index - 1**

**return rstr1**

**print(string\_reverse('1234abcd'))**



**Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.**

﻿Sample String : 'The quick Brow Fox'

Expected Output :

No. of Upper case characters : 3

No. of Lower case Characters : 12

**def string\_test(s):**

**d={"UPPER\_CASE":0, "LOWER\_CASE":0}**

**for c in s:**

**if c.isupper():**

**d["UPPER\_CASE"]+=1**

**elif c.islower():**

**d["LOWER\_CASE"]+=1**

**else:**

**pass**

**print ("Original String : ", s)**

**print ("No. of Upper case characters : ", d["UPPER\_CASE"])**

**print ("No. of Lower case Characters : ", d["LOWER\_CASE"])**

**string\_test('The quick Brow Fox')**

A screen shot of a computer

Description automatically generated with medium confidence