Assignment3

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

Sample List : (8, 2, 3, 0, 7)

Expected Output : 20

```python
In [1]:  def sum(numbers):
             total = 0
             for x in numbers:
                 total += x
             return total
         print(sum((8, 2, 3, 0, 7)))
```

```
20
```

Write a Python program to reverse a string.

Sample String : "1234abcd"

Expected Output : "dcba4321"

```python
In [2]:  def my_function(x):
           return x[::-1]

         mytxt = my_function("1234abcd")

         print(mytxt)
```

```
dcba4321
```

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

```python
In [4]:  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 Brown Fox')
```

```
Original String :  The quick Brown Fox
No. of Upper case characters :   3
No. of Lower case Characters :  13
```

```
In [ ]:
```