Strings

Write a Python program to calculate the length of a string.

In [2]:
```python
# User inputs the string and it gets stored in variable str for temp use
str = input("Enter a string: ")

# count the  variable to count the character in a string
count = 0
for s in str:
    count = count+1
print("Length of the input string is:", count)
```

```
Enter a string: sunny
Length of the input string is: 5
```

Write a Python program to count the number of characters (character frequency) in a string

In [4]:
```python
def char_freq(string):      #function
    dict = {}
    for n in string:
        keys = dict.keys()
        if n in keys:
            dict[n] += 1
        else:
            dict[n] = 1
    return dict

input_string="Hello World"   #input

print(char_freq(input_string)) #output
```

```
{'H': 1, 'e': 1, 'l': 3, 'o': 2, ' ': 1, 'W': 1, 'r': 1, 'd': 1}
```

Write a Python program to get a single string from two given strings, separated by a space and swap the first two characters of each string

In [6]:
```python
def string_swap(str1, str2):
    new_str1 = str2[:2] + str1[2:]
    new_str2 = str1[:2] + str2[2:]

    return new_str1 + ' ' + new_str2


str1=input("enter the 1st string:")
str2=input("enter second string:")


string_swap(str1,str2)
```

```
enter the 1st string:hello
enter second string:world
```

Out[6]: 'wollo herld'

Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string already ends with 'ing' then add 'ly' instead. If the string length of the given string is less than 3, leave it unchanged.

In [8]:
```python
def add_string(str1):
    length = len(str1)

    if length > 2:
        if str1[-3:] == 'ing':
            str1 += 'ly'
        else:
            str1 += 'ing'

    return str1


print(add_string('hi'))
print("\n")
print(add_string('add'))
print("\n")
print(add_string('string'))
```

```
hi


adding


stringly
```

Write a Python program to get a string from a given string where all occurrences of its first char have been changed to "$ ', except the first char itself

In [10]:
```python
def encrpt(str1):
    char = str1[0]
    str1 = str1.replace(char, '$')
    str1 = char + str1[1:]
    return str1

str1=input("Enter the string : ")


print(encrpt(str1))
```

```
Enter the string : exercisese excueme
ex$rcis$s$ $xcu$m$
```

In [ ]: