

Day 12

String Slicing & Operations on String

Length of a String

We can find the length of a string using len() function.

Example:

```
fruit = "Mango"  
len1 = len(fruit)  
print("Mango is a", len1, "letter word.")
```

Output:

Mango is a 5 letter word.

String as an array

A string is essentially a sequence of characters also called an array. Thus we can access the elements of this array.

Example:

```
pie = "ApplePie"  
print(pie[:5])  
print(pie[6])    #returns character at specified index
```

Output:

*Apple
I*

Note: This method of specifying the start and end index to specify a part of a string is called slicing.

Slicing Example:

```
pie = "ApplePie"  
print(pie[:5])    #Slicing from Start  
print(pie[5:])    #Slicing till End  
print(pie[2:6])   #Slicing in between  
print(pie[-8:])   #Slicing using negative index
```

Output:

*Apple
Pie
pleP
ApplePie*

Loop through a String:

Strings are arrays and arrays are iterable. Thus we can loop through strings.

Example:

```
alphabets = "ABCDE"  
for i in alphabets:  
    print(i)
```

Output:

```
A  
B  
C  
D  
E
```