

Day 8 (08/08/23) (Type(), Indexing(), Uppercase(), Capitalize(), Count(), Find()):

1) **Type()**: This function is used to find the type of the value from the user input, or assigned variable.

String / Text arrays → str

Numeric type → int, float

Sequence type → list, tuple

Set type → dict

Boolean type → bool

None type → None

Code:

```
a="str"
print(type(a))
```

Output:

```
<class 'str'>
```

2) **Indexing**: It is used to identify the position of a particular digit / letter in a given string of input value or assigned variable. It is usually done by assigning an index value to each of the string, such as

```
K a l l a i
0 1 2 3 4 5
-6 -5 -4 -3 -2 -1
```

Code:

```
city="kallai"
print(city[5])
print(city[:-2])
```

Output:

```
i
kall
```

3) **Uppercase()**: It is used to change all the string to uppercase.

Code:

```
name=input("Enter you Name: ").upper()
print(name.upper())
```

Output:

```
Enter you Name: Mathew
MATHEW
```

4) Capitalize(): It is used to capitalize the first letter of the string mention in input or a variable.

Code:

```
print(name.capitalize())
```

Output:

Enter you Name: mathew
Mathew

5) Count(): It is used to count the number of the particular string mention in the argument, inside a given input value or variable.

Code:

```
name1=input("Enter the Name: ")  
y1=input("Enter the letter to be counted: " )  
x=name1.count(y1) #to find the no.of.strings present in the word  
print(x)
```

Output:

Enter the Name: Mathew
Enter the letter to be counted: a
1

6) Find(): It is used to find the position of a digit / letter in a given user input or variable.

Code:

```
y2=input("Enter the letter to be found: ")  
z=name1.find(y2) #to find the no.of.repeats of the string  
print(z)
```

Output:

Enter the letter to be found: i
2