

## STRING

### String as array

X = "array"

Print (X[0])

X = "Priya Singh"

print (len(X))

0/0 //

Text = "hello, let's start coding"

print ("start" in Text)

0/0  
True

voice = "This is an automated voice by  
Siva"

print ("An" not in voice)

0/0  
True

H e l l o

0 1 2 3 4

-5 -4 -3 -2 -1



## Python - slicing

[start : stop : step]

1) `xyz = "by my name is python"`  
`print (xyz[2:10])`

O/P

my name.

2) `word = "hello python"`  
`print (word[1:])`

O/P

hello python

3) `x = "python"`  
`print (x[-1])`

O/P

n

4) `b = "Hello, World!"`  
`print (b[-5:-2])`

O/P

ord

5) `x = "hello priya"`  
`print (x.upper())`

O/P

HELLO PRIYA

6) `print (x.lower())`

O/P

hello priya.



We can remove white space with a `strip()` function. Whitespace is the space before and/or after the actual text, and very often you want to remove this space.

(e.g.-1)

```
a = "Hello, World!"  
print(a.strip())
```

[stripping last the white space remove]

O/U

Hello, World

(e.g.-2)

```
a = "Hello, World!"  
print(a.replace("H", "J"))
```

O/U

Jello, World

(e.g.-3)

```
a = "Hello, World!"  
print(a.split(","))
```

O/U

['Hello', 'World']

`split()` method returns a list where the text between the specified separator becomes the list items.

### Concatenation

```
A = "hello"  
B = "python"  
V = A + B  
print(V)
```

O/U

hellopython

### String format

```
age = 36  
txt = "my name is John" + age  
print(txt)
```

O/U



1) age = 36

txt = "My name is John, and I am 36"

print(txt.format(age))

placed here

O/U

My name is John, and I am 36

2) amount = 3212

order no = 315

quantity = 10

my order = "I want { } of my order { } for

print(my order.format(quantity, order no,

O/U amount))

I want 10 of my order 315 for super 3212.

## Escape Character

To insert characters that are illegal in a string, use an escape character.

An escape character is backslash / followed by the character you want to insert.

txt = "We are the so-called 'Vikings' from the north."

print(txt)

O/U

We are the so called 'vikings' from the north.