

Python String

1. checking if string is present or not

In [26]:

```
str = "The best things in life is happiness"  
print("things" in str)
```

True

2. The other way to check if the string is present or not

In [27]:

```
if "things" in str:  
    print("Yes")
```

Yes

3. Used 'not in' to check the word is present or not

In [28]:

```
if "expensive" not in str:  
    print("yes, 'expensive' is not present")
```

yes, 'expensive' is not present

Slicing String

In [29]:

```
b = "Anjali"  
print(b[2:5])
```

jal

Observation: it is fetching the word from index 2 to index 5

In [30]:

```
print(b[:5])
```

Anjal

Observation : It is fetching the word from index 0 to 5

In [31]:

```
print(b[2:])
```

jali

Observation : It is fetching the word from index 2 to end

The negative indexes start the slice from the end of the string

In [32]:

```
print(b[-1:])
```

i

In [33]:

```
print(b[-4:])
```

jali

In [34]:

```
print(b[-4:-3])
```

j

String Modification

In [19]:

```
string1 = "Python is programming Language"  
print(string1.upper())
```

PYTHON IS PROGRAMMING LANGUAGE

Converted the upper case

In [20]:

```
print(string1.lower())
```

python is programming language

Converted to lower case

In [44]:

```
str1 = " hello world "  
print(str1.strip()) # it will remove the space from beginning and end
```

hello world

Removed the spaces from beginning and end

In [45]:

```
print(str1.split())
```

['hello', 'world']

Splitted the string into two words

In [46]:

```
print(str1.capitalize())
```

```
hello world
```

In [51]:

```
print(str1.replace("H", "M"))
```

```
hello world
```

String Format

In [49]:

```
quantity = 3
itemno = 567
price = 49.95
myorder = "I want to pay {2} dollors for {0} pieces of item {1}"
print(myorder.format(quantity, itemno, price))
```

```
I want to pay 49.95 dollors for 3 pieces of item 567
```

In [50]:

```
age = 27
myorder = "My age is {0}"
print(myorder.format(age))
```

```
My age is 27
```

In []: