Everything about Python String

Creating

```
r = "Hello ! Python"
print(r)              ⟶    Hello ! Python
```

Accessing Characters

```
# First and last character
print(r[0], r[-1])    ⟶    H n
```

Adding Characters   Editing a String

Strings are immutable, use replace or join

Deleting a String

```
del s
# print(s)  # This will give an error since s is deleted
```

String Operations

Operations	Input	Output
concatenate	print('Hello'+' '+'world')	Hello world
Repetition	print("Hi " * 3)	Hi Hi Hi
Slicing	print("Python"[1:4]) a = 'Hello World' print(a[6:0:-2])	yth wol
Logical	'Delhi' == 'Odisha'	False
Length	print(len("Python"))	6
Membership	print("Py" in "Python")	True
loop	for i in 'hi': print(i)	h i

String Functions

When/ why	Functions	Input	Output
upper and lower case	upper() lower()	print("hello".upper(), "WORLD".lower())	HELLO world
first character capitalized	capitalize()	'"python World'.capitalize()	Python World
first letter of the word is capital letter	title()	'"python World'.title()	Python World
Swapcase the case	swapcase()	"PyThon".swapcase()	pYtHON
Remove Space	strip()	print(" Python ".strip())	Python
Split	split()	print("apple,banana,cherry".split(","))	['apple', 'banana', 'cherry']
join	join()	print("-".join(["apple", "banana", "cherry"]))	apple-banana-cherry
if the output is -1 then not exit	find()	print("Hello Python".find("Python"))	6
showing error if not present	index()	print("Hello Python".index("Python"))	6
replace with some string	replace()	print("Hello Python".replace("Python", "World"))	Hello world
Count Occurrences	count()	print("banana".count("a"))	3
Checking Start & End	startwith() endwith()	print("Python".startswith("Py"), "Python".endswith("on"))	True True
value input	format()	name = 'Rudra' age = 20 'My name is {} and my age is {}'.format(name, age)	'My name is Rudra and my age is 20'