Strings

String is a data type that stores a sequence of characters.

Basic operations

- Concatenation

  "hello" + "world" —> "helloworld"

- length of str

  len(str)

Indexing

Apna _ College # space is also counted.
0 1 23 4 5678910 11

str = "Apna_College"

str[0] is 'A', str[1] is 'p' ....

str[0] = 'B' # not allowed we can not replace no characters.

Slicing

Accessing parts of a string.

str[starting_idx : ending_idx] # ending idx is not included

str = "Dinesh"

str[1:4] is "ine"

str[:4] is same as str[0:4]

str[1:] is same as [1: len(str)]

Slicing

Negative index

A p p le
-5 -4 -3 -2 -1

str = "Apple"

str[-3: -1] is "pl"

String function

Str = "I am a coder"

Str.endwith("er") # It returns true if string end with sub str

Str = "I am Dinesh kumar"
print(str.endwith("mar")) # It will return true as the value at the last is mar

Str = "My name is Dinesh kumar"
print(str.endwith("esh")) # This value will return false as dinesh kumar ends with mar not with esh.

☆ Str.Capitalize() ⇒ It capitalizes the first character.

Str = "my name is dinesh kumar"
Str = str.capitalize() # It will capitalize the first character.
print(str)

☆ Str.replace(old, new)
This function replaces all occurences of old with new

Str = "My name is Dinesh kumar"
print(str.replace("a", "i")) # This function will replace a and will put i on its place.

output :- My nime is Dinesh kumir

Str = "My name is Dinesh kumar"
print(str.replace("kumar", "pandhan")) # It will replace kumar with pandhan.

Output = My name is Dinesh Pandhan

☆ Str.find(word) # returns 1st index of 1st occurred.
Str. "My name is Dinesh kumar")
print(str.find("i")) # It will count the first index where no
output = 8

A Str.count("a") # It count no occurrence of substr.

~~print(Str.count(" "))~~

Str = "My self dinesh kumar"
print(Str.count("self") # ~~It~~ will self, it one time so the output
output: 1

Str = "My self dineshkumar")
print(Str.count("e"))
output = 2