

Strings:

⇒ Beginners Module (Remaining):

→ Strings

→ OOP (Wednesday)

2) Today's Topic:

↳ Intro

↳ How it's stored internally

↳ Code / syntax

↳ Quizzes

↳ Challenges / Question

↳ fun

★ Strings:

↳ ~~Group~~ / collection of characters
(Sequence) ↑

'abc' == 'bac' ⇒ False

⇒ Characters:

'a - z' ⇒ Alphabets (small)

'A - z' \Rightarrow Alphabets (Upper case)
 '0 - 9' \Rightarrow Numbers
 '- * \$ ' \Rightarrow Special characters
 'White spaces' \Rightarrow White spaces

★ Examples of string:

- i) 'Oabc' ✓
- ii) "\$@ abc" ✓
- iii) "Rehul851" ✗
- iv) '____' ✓
- v) '@567" ✗

\Rightarrow ' , , " " , ' ' , " " , " " ,

★ How does computer store a string:

\Rightarrow Computer understands only Binary (0 & 1)

\Rightarrow Numbers \Rightarrow (5)₁₀ \Rightarrow (101)₂
 (107)₁₀
 (20)₁₀



⇒ a → 1
b → 2
.
.
.
.
z → 26

enjoy
5 14 10 15 25

'Rohel'

⇒ a → 10
b → 11
c → 12
.
.
z → 35

enjoy
15 14 20 25 34

'Nithin'

⇒ Hey How are you
↪ Hey I ↓ Love you

⇒ America Standard Code for Information Interchange

⇒ ASCII

\Rightarrow

a	\rightarrow	97	\leftarrow	32	\rightarrow	A	\rightarrow	65
b	\rightarrow	98	\leftarrow	32	\rightarrow	B	\rightarrow	66
.		.				.		.
:		:				:		:
:		:				:		:
:		:				:		:
Z	\rightarrow	122	\leftarrow	32	\rightarrow	Z	\rightarrow	90

\Rightarrow small is having larger value

Quiz:

0 \rightarrow 48

1 \rightarrow 49

2 \rightarrow 50

3 \rightarrow 51

4 \rightarrow 52

5 \rightarrow 53

6 \rightarrow 54

7 \rightarrow 56

8 \rightarrow 56

9 \rightarrow 57

★ Indexing in String:

\Rightarrow name = 'Rahul'

len(name) = 5

name[0] \Rightarrow R

name[1] \Rightarrow a

name [-1] => l

=> name [: :-1] => luhaR

★ Enumerate function:

=> Have a obj which supports indexing.

l = [2, 5, 6]

s = 'Rahul'

for index, value in enumerate(l):
 print(index, value)

output =>

- > 0, 2
- > 1, 5
- > 2, 6

print(value, index)

↳

- 2, 0
- 5, 1
- 6, 2

$$l = [$$