Data Science & Artificial Intelligence

Python for Data Science

Python Collections and String Handling

lec -02





Pw

 Python Collections and String Handling





RECAP



Arotory Operators Concatenation

rapitition
composison
minburship
escape operators
string formatting

Slicing





... Viret Kohl



```
Mullo world
                      str1 =
                      print (strz. strip())
   strip()
                                                  " rule world"
  () dirtal.
                     Atr 2 = " ... V wat . Kohli ..."
                                                "Wox. toriV" (=
                      print (str2. stip ("."
  ( Spintare.
girts (strz. Istrip("v. i") print (strz. strip
         not KONS ...
       str3. Jutrip("V.i")
```





```
1 print (str2.split()
             marrfitt=5)["I" am", "preparing
                 str2 = "1,2,3,4,5,6
print (strz. split("i",
```





$$\frac{\text{join(1)}}{\text{join(2)}}$$

$$\frac{1}{2} = \frac{1}{2} \cdot \frac{1$$





```
Dhoni, Rohet, DK"
   replace()
    Str22 " Nello World Killo" Com
prink (Str2. ruplace ("Nello", "LATE",
                                        Dhani, Rohit, Raina
                                Sachin
           GATE WOYLL NOW,
```





```
· uppul)
· Lowerl)
() rewolat -
· in upper ()
 . capitalize()
 · swapcovel)
```

Str 2 "bello"

```
strz " Abe"
           print (str.uptor(1) + ABC
            Brimb (str. Jowerl) -1 abc
            print (str. is lower(1) =) Palas
             maj ( 1) udgwai . The ) form
               print (str. swapsanel) =) abs
str. (apitalize ()
```





```
· is alphal)
```

- isnumeric []

```
isalnym
· (ount()
```

```
str1 = " Kello world"
 prink ( str1. is alphal) Fame
 5 tr'1 = " Nello"
  print (# true alphal ) => True
   5tr2= "28"
```







LIST



This disting List

$$\alpha = [1] \quad \alpha = [4] \quad \text{whis}, 4.0, 5, 1000$$

$$\alpha = \text{List}("Nuo")$$

$$\alpha = \text{List}("Nuo")$$
Frint(a)

$$\alpha = [4] \quad \text{whis}, 4.0, 5, 1000$$

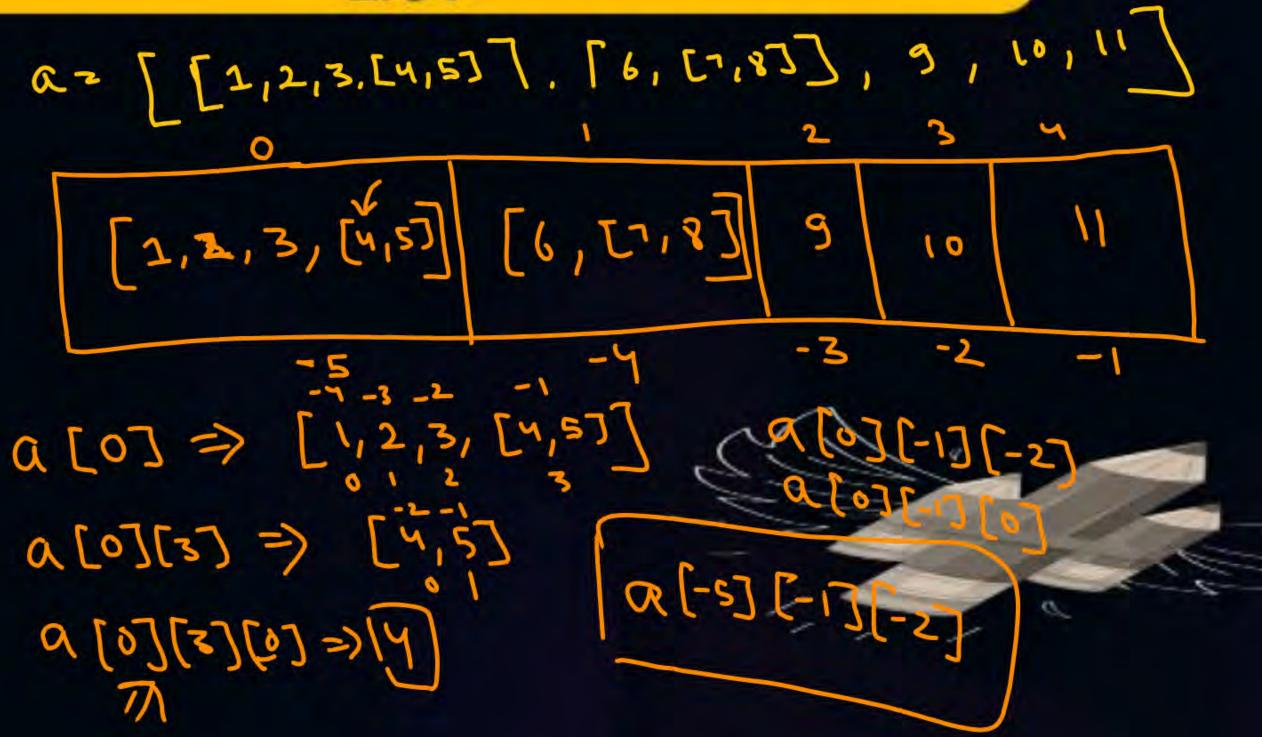
$$\alpha = [4] \quad \text{wh$$

a [2] ~ "Virat"



LIST







LIST





Summary



trit aft ni stnamale pnibbA [1, "abe", 3, 4] [1/2/3/4/"a","b","c] a = [1,2,3,4] =) a [1] = "abc" (transle, aubri) kreant extend() (a) trive a. appurd ("abc") [1,2,3,4,5] =) trunt (= " [11277,4,"asiza.extend([5,6,7]) [11213,415,6,7]



THANK - YOU

