Data Science & Artificial Intelligence Python for Data Science



Python Collections and String Handling

Lec - 01





RECAP

i=[10,20,30]



break constitue pars Problem solving

("For Jook anded")



Pw

• Python Collections and String Handling





STRINGS



(+) (oncoloration (+)

$$\alpha = \text{Hello} + \text{world}$$

prind (a) \Rightarrow pullo world \Rightarrow remarkan observator

 $3 + 1 = \text{a'} + \text{b'} + \text{c'} + \text{d'} + \text{d'}$

Republishon Operator (#)

pring ("python, "5) ping (5, hhluon,)

PYTNONPYTNON

Bring (" LLLNon, , D)

print ("PYT NON /"" "2)

MONTHY (1-* "MONTY9") tring

MONTHANONTHA

String comparison operator (==,!=, <=, >=, <) brint ("GATE" <= "GATE") To print ("GATE" == "GATE") => True print ("CAPTE" < - "JATE") True print ("GATE" == "gATE") => False 97 A265 print ("GATE" >="GATE) ("3196" = (3742") Enird Q= 97 A265 print ("GATE"!="GATE") => Fahr print ("GATB" ("LATE") print ("hATE" != "gATE") -> True c - 99 print ("LATE" < "gATE") -> print ('y) > aaran') Jalu-print ("hATE" > "HATE") Falur print ("GATE" >"gah")

Wempierspip O penyou print ("kai" in "kashif") = True print ("kah" in "kashif") - Fate Escape requence observators (1, In, 16, 1000, 1244) print (" Tolay's match is: \"India us England"") > Today's model is: " Indea va England"

print (1 Today)'s model is: 'India us England'
Today's match is: 'India us England' > print (" Hollo /m Morld") Hello World ("KINDER SHOULD") foresof =) punt (" Hollo Morld !1P") Hell World Hello World

000 print ("/141") = a print ("/142") -> L a - 97 6-98 64+32+2 = 91 64+32+1 96+5-101 String formations operator SCOTEZ 100.5 print (" score in olof". 1. score) print ("Today is Python class) Score is 100.5 " Today is Python dan" Subject = "Python" Java print ("Today is :1.5 claw" of subject) Today is Python days

Today is Java class

ham="Radi"

a gr = 26 print ["I am 165 and my age is "104" 16 (name, age))
I am havi and my age is 26.

String Sticing SXY1 = "NELLO WORLD" JELLO - WORLD 012345678310 print (53+2[2:5]) => LLO Strl [start: end: + skp] Strl[Start: end] print (strz[:]) =) HELLO WOLLD Print (5++2[-11-11:7] pring (stril2:)) => LLO wORLD str1[::-1]::=print (str1[:5]) =) NELLO print (Stral : :] -1 NELLO WORLD print (str1[::2] =) HLOWRD

brind ("I am { 3 and my age is { 3". formati('emi', 26))

I am Ravi and my age is 26 print (" I am fot and my age is Rais

I am Ravi and my age is Rais print (" I am frame) and my age is fagel. formal (
I am Rain and my age is 26. agrees)

s[0] = 'A' print(s) A) Abc B) abc D) ['A', b', 'C'] S= "mississibli" count = \$ 6,1,1... 10 for i in stange (len(s1):

if s[i:i+2] == "ss": print (count)

S= "abcde" print (5[::2] +5[1::2]



THANK - YOU

