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- Sequence Type
- 1) string -> Represented by str class

for ex= x= str ("Hello world")

2) List -> just like on arrays
placing inside the [] box.

Forex - X - list ["apple", "mango"]

Boolean - It is represented by

True or Faire

and denoted by bool

 $ex \rightarrow X = bool(5)$ 

- set type collection of unique intity
  - 1) Frozenset -

x = frozenset (("apple", "mango")

- 2) Bytes X = bytes (5)
- 3) Byteamay -> x byteamay (5)
- 4) memoryview (bytes (5))

DATE:	

Dictionary - used to store data values like

- It is created by the built in Function dict().

empty dictionary can be created by curly praces {}

X - dict (name \_ 11 Sonu 11, age - 20)

1 import random of # modale use

bles 1) spinsbace mobiler) tring

togtuo

we have learned about random-number program - Python does not have random () fun to make random number. but python has a built - in module ealled Pandom program -1. import random ? # module use 2. print (random rondrange (1, 10)) Output

String programs:

Strings Are amay

\* (first character has the position o)

print (a [0])

find word of their position)

output = H

String Length

a = "Hello"

print (len (a))

output = 5

check string

check if free is present or not

a - "Hello world"

print ("Fore " in a)

output - False

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1) Hoods &
I work if
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1 daica
Start: END
Anglino J.
anarmo 1

check is NOT

print.

print ( b" sorry " not in text)

string sticing

- return a renge of character

- sepecify the start index and end index seperated by colon in []

Here a tric -

This square bracket is our broad and we wed the coton to cut bread in the middle with the help of colon (:)

string slicing program

1 0= String = "Pranali"

2. print (string [0:4] [Start: END]

Then 0 1 2 3 4 5 6

Pranali

-7 -6-5-4-3-2-1

END -

output - Pronal

5tring Slicing From start

& string-"HELLOWORLD"

2 print (String [ 10] # 22) and of the starting is and world soult

OULPUT - HELLOWORL

string slicing to end

print (string [3:] > # -4 - end world-

output - LOWORLD

negative string slicing

print (string [-1:-5]

output - DLROWO

Work :- create a one string and find any word in the string as well as string slicing from stort

String - Government Polytechnique Pune

Find ment is present?

slicing [:-8]

```
(1) Type casting into to Float.
   * I use Float () function
  2. n = Floot (a) # Floot Function
  3. print (n)
  4. print (type(n))
   output = 5.0 asacrist - Augu
          L class 'Float'>
(2) Type casting Float to int
   * I use int () function was a
   4. X - 2.5
   2. \quad n = Float(x)
   3. print (n)
   4. print (type(n))
   output = 2
         < elass int
         coloss intis
```

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· /-

String - Grovernment Polytechnic Pune

Find - ment' is present in string?

String slieing From Start to polytechnic 'c'

Find length. word

program-

- 1. String = "Government Polytechnic Pune
- 2. print (len (string))
- 3. print ("ment" in String)
- 4. print (string[:-5]

output -

27

True

Government Polytechhic