



**EDUSTART NOW WELCOMES
YOU**

CONTENT FOR THE DAY2



QUICK RECAP
OF DAY2



NUMERIC
DATA TYPE



STRING DATA
TYPE



LIST DATA TYPE



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QUICK RECAP OF DAY 2

- INTRODUCTION TO PYTHON
- INSTALLING SOFTWARE
- VARIABLES
- IDENTIFIERS AND LITERALS



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NUMERIC DATA TYPE

- INT
- FLOAT
- COMPLEX

$a=10$

$b=20.2$

$c=2+3j$ (or) $2+3j$



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NUMERIC DATA TYPE

- `>>> a=10`
- `>>> type(a)`
- `<class 'int'>`
- `>>> b=20.2`
- `>>> type(b)`
- `<class 'float'>`
- `>>> c=3+4j`
- `>>> type(c)`
- `<class 'complex'>`



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NUMERIC DATA TYPE

TYPE CONVERSION :

```
>>> a=10
>>> b=20.2
>>> c=3+4j
>>> d=int(b)
>>> d
20
>>> e=float(a)
>>> e
10.0
>>> p=complex(a)
>>> p
(10+0j)
```



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NUMERIC DATA TYPE

>

METHODS :

`max(10,20,50,60)`

`min(10,20,-10,-100)`

`abs(100), abs(-100)`

`Import math`

`math.sqrt(25)`

`math.pow(2,3)`

`math.sin(90)`

`math.cos(0)`

`math.pi`



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STRING DATA TYPE

>a

The String Data Type consists of sequence of characters

a="Tumiki Nikhil Raju"

a= 'Tumiki Nikhil Raju'

a="Tumiki Nikhil Raju"

a="Python" -----> Single Line String

b= "Strings \

In\

Python" -----> Multiline Strings

c=" Strings

In

Python"



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STRING DATA TYPE

>a

Slicing:

a= "Python"

a[0]

a[0:5]

a[2:3]

a[:]

a[: :1]

a[-1:-5]

a[: :-1]

H	e	l	l	o
0	1	2	3	4
-5	-4	-3	-2	-1



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STRING DATA TYPE

METHODS :

- Upper
- Lower
- Isupper
- Islower
- Capitalize
- Isalpha
- Isdigit
- Index
- Len
- Replace
- Count
- Find

join
split



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LIST DATA TYPE

>a

LIST DATA TYPE:

List is like a Array in C, but it is a collection of different data types

It store the sequence of various type of data

It is a mutable collection of elements

```
L=[1,2,3,"nikhil"]
```

```
Print L[0]
```

SLICING SAME AS STINRGs



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LIST DATA TYPE

>

METHODS :

- Append
- Insert
- Extend
- Len
- Index
- Count
- Del
- Remove
- Pop
- Sort
- sorted



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THANK YOU

