MAGE NO.

1	Python is the General purpose Language buz we can
	use it at every where like machine learning, GUI,
	software development, web development.
	python is a interpreted object-oriented high-level
ė,	language.
	outhor Interpreter
	IDE > Integrated Development Environment
	Integer divison: $5112 \Rightarrow 2$
_	1- 5/2 -72.0
_	
_	A an Of Children of
_	Transport Set of tusks
_	print :- Inbuild function Brackets used for pass
	E.g. print (Pyrion)
	print ('navin's laptop') -> Invalid syntax
_	print ('navin's raprop) Instead of single quote use
	Instead of single
	print (" navin's laptop") print ('navin " laptop") -> navin " laptop") print ('navin " laptop") -> Extor
	print ('navin "Taplup") > 6 x600
	print ('navin's "laptop") -> Enfor print ('navin's "laptop") -> Enfor To tell python that skip the meaning of white
	to tell python Time
-	
Marie and American	print ('navin's agreed to times
	print ('navin's "aprop) print ('c:ldocslnavin') > c:ldocs
	point (r 'c: \docs\navin') >c:\docs\navin
	print (x C: 100cs 110cs

	variables: container where you can put your
	value
	2- value
	x -> variable Name
	If we want to use output of previous operations
	then use '- ' there
200 A	e.g. x+10 → 19
	_ +4 → 22·
*	
	Fetch a one character from string
	e.g. name = 'youtube'
	name $[0] \rightarrow '4'$ -7 -6 -5-4 -3-2-1
	name[6] -i e' YOUTUBE
	name[-1] -> 'e' 0 1 2 3 4 5 6
	name [0:2] -) 'yo'
	name[1:4] -> 'out'
	name[1:] -> 'outube'
	name[:4] -> 'Yout'
**	strings in python are immutable
	You cannot change the value once assigned
	myname = 'navin reddy'
	len (myname) -> 11
*	Lists: Lists are mutable
	Lists can contain a different types of values
	like values = [9.5, 'navin', 25]
	num. appoind (45) -> Add this no. at the end of the list
	num.insert (2,77) -> Add this no at the position of inde
	00.2

Add multiple values in the listnums. extend ([29,12,14,36]) nums Tuple -> Immudable E.g. tup = (21,36, 14,25) set -> collection of unique elements, not support index e.g. S= \ 22,25,14,21,53 & duplicate values Doctionary > key-value data = 21: 'novin', 2: 'kiron', 4: 'norsh'} e 9. data [4] - harsh Don't have a key then print not found! data.get (3, 'Not Found') -> Not Found With the help of 2 lists make a dictionary >77 Keys = ['navin', 'kiran', 'Horsh'] >>>values = ['python', 'Java', 'Js'] >>> data = dict (zip (keys, value)) >>> data > 0/p > [navin': python' kiranijava ' haoch' is find the address of votable num = 5 INCOME STATES

	The same of the properties of
*	Data Types:
	Hone-> variable not assigned with any value.
	Hameric -> Port, Hoat, complex, bool
	List
	Tuple No. + imaginary no.
, , , , , , , , , , , , , , , , , , ,	Set
	String
	Range -> for iterate bet values
	Dictionary -> key have to be unique
*	operators:-
	Arithmetic
	Assignment
. 11	Relational
	Logical -> AND, OR, NOT
·	unary
* *	Number system conversion in python
	Decimal -> Binary BIT -> Binary Digit
	base 10 base 2
	$(0-9) \qquad (0-1)$
	octal Hexadecimal
	base 8 base 16
	(0-7) $(0-9a-F)$