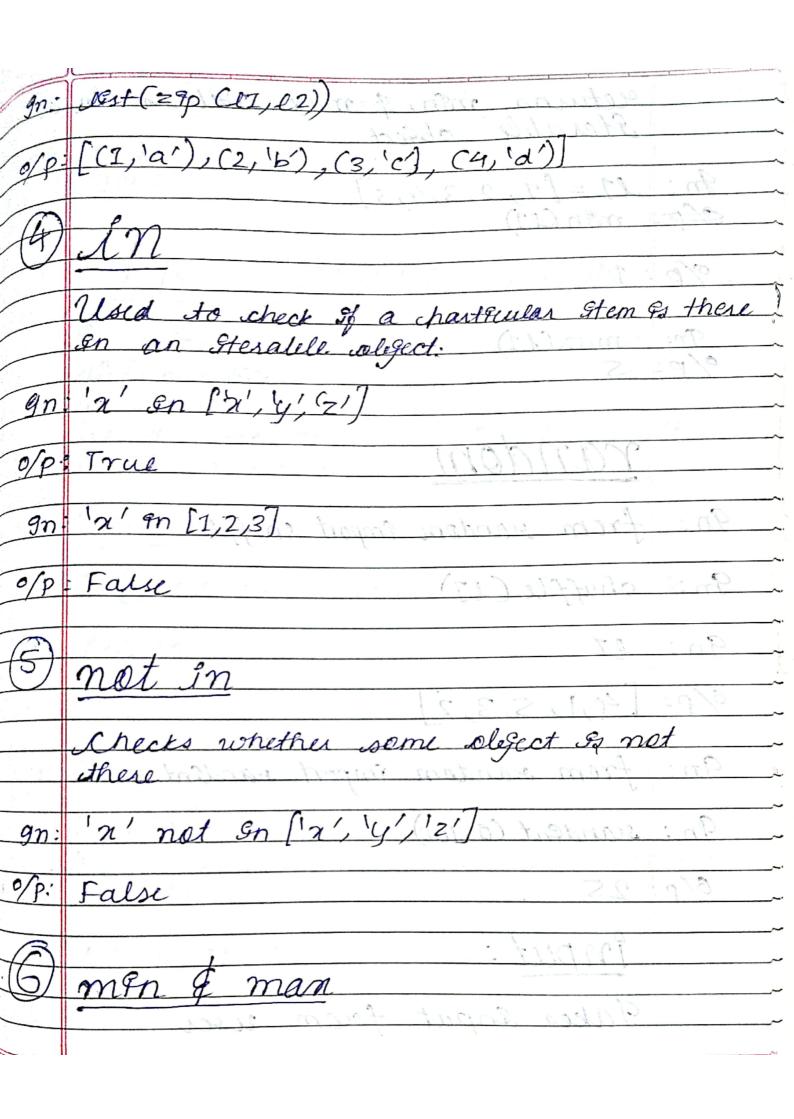
\	
	the will for loop front to fel
100000	USFFUL FUNCTIONS
A	- The for a letter to summerate Cabel A
	KANGE
	the second of the second of
7	This function allows you quickly to generate
	The function allows you quickly to generate a left of entegers.
	Syntam:
	ognam:
	scange (start, stop, step)
	9 T (C)
Note	: sunge () is a generator func", so to get
	: sunge () Is a generator func", so to get a left out of It we need to rest cast It. to a left.
	to a lest abodo Ditaromina il tros
	Henerator sa a special type of function. that would generate snfo. I no need to save.
	that would generate info. I no need to save
	st an memory
	Form of displaying the play he was
9n.	10. Clare 2 = 2 (Q Q)
377.	Ust (a ange CO,S)
0/p:	[0, 1, 2, 3, 4]
gn:	19st (orange (0,11,2)) 19.80 9-11
0/p	[0,2,4,6,8,10]

(0)	La Court to a second second
(2)	ENUMERATE
	9/11/1 814 6
	Used with for loops, used to keep trave
	of maex. 2000 TOM IN A TOWN
an.	
311,	for 3, letter en enumerale ('abc')
	for 3, letter an enumerale ('abc') prant ("At ander 5'y the letter is 5'y").
	TO max (i, VITTEX))
0/2	a set in the second of the sec
9/ P	at enden 0 the letter es a -11 - 1 - 11 - b -11 - 0 - 11 - C
	1 - 1 - 1 - b
	-n-2-n-c
	ZIP (gots stop) gares
(5)	/_IP
10 01	Mode: surge O sa a generator fur. ao
roat St	Markey at a property of the same of the same
9n:	lest (enumerate (abcde))
00940	with the south besselves and and and
0/p:	[(0,a),(1,b),(2,c),(3,a),(4,e)]
-9	The en a left of tuples, hence we could use tuple unpacking during our for loop In the same way we can create a left of 2 tuples by zipping 2 lests.
	sing to a could be tapled, hence
•	du Brackeng
	auxing our fox sloop
	In the same way we can create a
12	Ist of 2 tuples day Zipping 2 lests.
<i>a</i>	1 1 60 0 0 1 7 (60 11 12
9n:	11=[1,2,3,4] (5110) 500 100 100 100 100 100 100 100 100 100
	12-1'a', b', c', d') 1018 31115 07 90
gn:	Z9p(11,12)
0/p :	/z 8p at 0x1d2058093f08>
	, , , , , , , , , , , , , , , , , , , ,



j		-
	returns men. 4 max. values en a	
;	Itteralile obsert	
	1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5
9n:	21 = [7,2,3,4,5]	
<u> </u>	men (l1)	
	W. M. M. C.	
%p	- 1	
House	Placed to strike It a chartepoles Stan	
9n:	max(11) Asserta Milarest no ne	
0/p:	5	
	900 10 10 10 10 10 10 10 10 10 10 10 10 1	
	random	
9n ·	from random emport shuffle	
	July sentement striper spaffer	_
9n:	shuffle (17)	
0.71.5	stuffer (11)	
an.	07	1
	09 100 10	
6/p=	[4,1,5,3,2]	
1.0	Knoke schether some start in a	
an.	from random emport randent	
	Just sandin tingon sanding	
an.	siandent (0,100)	
· · · · · · · · · · · · · · · · · · ·	outain Collon	
6/p:	25) ,
1		
	Input:	
	Tipur.	1
	anker Prout force	1
	Takes Enput from user	

gn Enput ('Enter something') 0/9: Enter something 123 LIST COMPREHENSION If helps up to build our teste using a diff. metation.
In short,
It's a only one line for loop built
Inside a deracket 809. (1) [Days 1.00 01 0] 200 100 In # Great every letter an the strong In: elst=[x for x qn'word'] 9n: lst

0/p. [w', 'v', 'r', 'd']

E-g.(2)

square ng: an range & tuin. Ento a

lest 9n. lsf=[n**2 for a 9n stange (0,11)] 0/g. [0,1,4,9,16,25,36,49,64,81,100]

E.g. D. # Check for even mg.s gn a stange 9n: 1st=[n for n gn nange (11) 9f n 1.2==0] 9n: lot 0/p: [0,2,4,6,8,10] E.g. 4 Complex Arithmetic # Celsque to farenhest. 9n: celseus=10,10,20.1,34.5] far = [(9/5) * temp +32) for temp 9n celseus) o/p: [32.0, 50.0, 68.18, 94.1] E.g. D Nested Comprehension 9n: Ust =[n**2 for a 9n[n**2 for x In stange (#1)]]
9/P: [0,1,16,81,256]