ex: n = int (intputcs) co=<0) 4; (n>0) ("avt") toise baint ("zero") Px:n+ ("-ve") 11/9/2025 (Day -7) + LOOP: Loops in Python one used to execute a black of code se peadedly until a cestain condition is met. + Python mainly Provides a two loops: J for loop 2) while loop 3 nested loop + for 100p for loop goes throught a sequence 54° fox variable in sequence variable: statements 2) for loop with range () function for variable in range (): statements:

	are made to the second
example:	
sub = "python'	
Print (sub)	
-> Python	
+ fox i in sub:	1169
Print (°)	
-> p	
У	
+	
h · · · · · · · · · · · · · · · · · · ·	
0	
0	
+ fox - each loop citeration o	NEX a SEQUENCE)
-> boes through items of a	11.51 tuple 51x:00
08 set directly	or ropio, stating,
colo85 - C'block', 'Red', 'Yello	ر نی ا
Pxint (colo85)	
=> C'block', 'thee' 'sed' 'Ye	L'avoll.
fox in colors:	
Printcis	
-> block	
zed	
Yellow	

```
+ sub = "Python"
 Sub [0]
-> 'P'
tos in in cenume sale (Sub):
     (i) thisa
-> (o, 'p')
  (4,6'0')
  (5, 'n')
+intalization: int i=1; (start at 1)
+ condition: i<=5: (sun until " seaches 5)
* In exement "i++ (increase by I each time)
range (Stant value, Stop value, Step 5:2e)
we have default stant value is o
     5tep 5:2 e :5 1
for ? in range (1.11.1):
   Print (i)
```

* fos i in sange (5):	1001100 2 200
+ fox i in xange (5): Print (i)	
Print ("Good Modning")	4 '4
0	
bood morning	1 1110-12-12-1 3 1979/03
	Annikos at at a
Good morning	- Printy to the
2	The state of the same
Good mosning	· The Civil Civil Civil
3	English Commencer
Good mosning	64
4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Good mosning	
+ Sub = 'Python'	Fire and to the Ja
for in sange (0,6,1):	(4) (F = 2) + 1/1/1/10 P
Print (i, subri)	The first taging of a
-> 0 P	H. C.
1. Y Zada gala anlaw gol	Stoler Lord San
9 + O 27 Miller took	Abuntah susah
3 h	of sales with
4 0	
5 n	
	CRY TOWN
* REVERSE 100P	
Sub = 'Python'	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
fox : in zonge (5,-1,-1):	
Print (i, Subtig)	
	A SECTION OF THE SECT

-> 5 n 4 0 & even number and odd number fox i in xange (1,11,1): Print (i, "even number") e15e . Print (", " = odd number") -> 1 = odd number 2 = even numbe 3 = odd numbes 4 = even number