11-09-2025, Thursday. Loops en Python are execute a block of code repeatedly until a certain condition es met. @ For loop (ii) while loop (iii) Nested loop for loop inside for loop · for loop mide while log (i) for loop: 2 types . while invide while loop (6) for loop with Icquence - string, lest, tuples, set, dict @ with sequence. Range to name = "harditha"

print (name) of P harditha for i en name:

print (i)

olp h
a
x name = Range i = iterative variable · 94 is not a constant variable · In each steration, the value well get updated. NOTE: for loop defaultly work with so requence data. Seguence data es en continuos format & anything which is having a position. 1234 = no. don't have postion hardisha = starts with 0 portion => Enumerate f": - It is a kind of for that, whatever the variable we will pass, for that variable, this for will give the followed character.

```
(0, 'R')
er for i en enumerate (name):
        front (i)
                                           (1, 'a')
                                           (2, '8')
    ( # 9t ?s (0/P) en tuple format.
*A oray is a sequence data
ex fruit = [ 'Cherry", 'Strawberry', 'Apple']
    pried (fruit)
                   of ['cherry', 'Strawberry', 'Apple'
>> for in in fruit; ofp Cherry Strawberry
                                Apple
=> Enitialization - Start value
    Condition - Stop value
     Oncrementation / Decrementation - step size
(b) for loop with range
 I range (start value, stop value, step rize)
er for ? en rangle (1, 11, 1)
         prent (i)
                          rangle (1,11,1) => (=1; <1; (+1)
                                                           olp 1710
                           range (1,10,1) = (1=1; 9<10; 8+1)
                                                          0/17 1-9
> for ? in sangle (5);
                             0/12
                                 Otop value is mandatory.
 Default start value es O
           step eize is 1
                       # Anything written Ersole [] undicates position
=> hame = "Sona"
   name [o]
    olp's
To print partion & character wing range for
                               for i en range (0, len(name), 2);
 name=" Jona"
 for & & in range (0, 3, 1);
                                 froint i, name (i)
    frønt (i, name (i))
Honly for specified no. of character
                                Es a dynamic - to point all the character
```

> Worke a program to print oven nes from 1 to 20 for ? en range (2, 21,2):
print (i) for p en range (1,11)2):  $\Rightarrow$  1= odd no. 2 = Even no 3 = Odd w of (8%2==0); 10 = Even no. else: privot (i, "= Even no") It for loop with condition