10 January 2025 10:38

for element **in range(kahase , kahatak , kitna step)**
range (from, to , step)

from index is INCLUDED
to index is EXCLUDED (the counting stops just before the "to" index)

range(1,5) // default step = +1

1,2,3,4

user = number of lines = 4
range(1,lines+1)
1,2,3,4

range(4,0 , -1)
range(lines, 0 ,-1)
range(lines) // 0 ,1,2,3

SLICING = get a slice of the string
use [from:to] // from index is INCLUDED , to index is EXCLUDED

REPL
x = "enjoyment"

x[0] = e (this is not slicing - index-based-access)
x[0:] = if you don't give a "to" to = len(x)-1
x[3:] =oyment
x[0:3] = enj
x[0 : -1] = enjoymen
x[3: 0] = ILLEGAL
x[-3 : -1] = en
x [-6:-2] = yome

e	N	J	Y	O	M	E	N	T
0	1	2	3	4	5	6	7	8
-9	-8	-7	-6	-5	-4	-3	-2	-1

SEQUENCES
1. **List, set , tuple , string = all these are sequences**
2. **sequences can be accessed using index-based-access x[index]**
3. **Sequences can be sliced**
4. **for element in sequence CAN BE USED**

HW ----------
1. Write a python script

accept a range from user = from , to
Create a list of that range mylist = list(range(from,to+1)
LOOP --------
GET a slice of that list ----- accept the slicing index(from,to) from user
show the SUM of all numbers in that slice
show the MAX and MIN number in that slice

2. Write a python script ---
LOOP
1. Append to list
2. Show list
3. SLICE list --- slicing index(from,to) , tell whether there are any duplicates in the slice
4. Quit

3. Accept a range from user , Print all the prime numbers in that range
4. Accept names from user , add the names to a list , show the names in the list with shortest length