

Ashoutosh

Var =

0	1	2	3	4	5	6	7	8
A	S	H	O	U	T	O	S	H
-9	-8	-7	-6	-5	-4	-3	-2	-1

Slicing →

Var[4] | Var[-5] ⇒ U

Var[7] | Var[-2] ⇒ S

5:7  
5 6 ~~7~~  
 ↑  
include.

Var[starting index value : end index value]

Var[5: ~~7~~] ⇒ TOS  
 [5: ~~8~~] ⇒ TOSH

word = SUNNYSAVITA  
 0 1 2 3 4 5 6 7 8 9 10

word = [0:11]

[0:11:2]

S N Y A T A

[0:11:3] ⇒ S N A T

Step = +1  
 Word [-1:-4] +ve

SUNNY  
 5 4 3 2 1  
7  
 UNN

-1:-4:-1  
 S U N N Y  
 -4 -3 -2 -1 →

Step value → -ve and (+ve)

→  
 ←

0 1 2 3 4  
 S U N N Y  
 -5 -4 -3 -2 -1

word[0] (default = 1)

word[0:3]

word[0:5:2] Step: 2

word[0:5]

and (or) not

True   false   a    $\rightarrow$  True

and   or   not  $\Rightarrow$  logical operator

$a = 1, 0$  [true, false]

$b = 1, 0$  [true, false]

$a$	$b$	$a$ and $b$	$a$ or $b$	not $a$	not $b$
(T) 1	(T) 1	1	1	0	0
(T) 1	(F) 0	0	1	0	1
(F) 0	(T) 1	0	1	1	0
(F) 0	(F) 0	0	0	1	1

$\left\{ \begin{array}{l} \text{name and Age} \\ = 25 \text{ (2022)} \\ \downarrow \\ \text{"name"} = 100 \text{ (?) } \end{array} \right\} \quad (25)$

```
= name = input ( )  
age = input ( )  
print (" year "  
              
              
      ↑
```

25 (2022)  
75 (2097)  
100