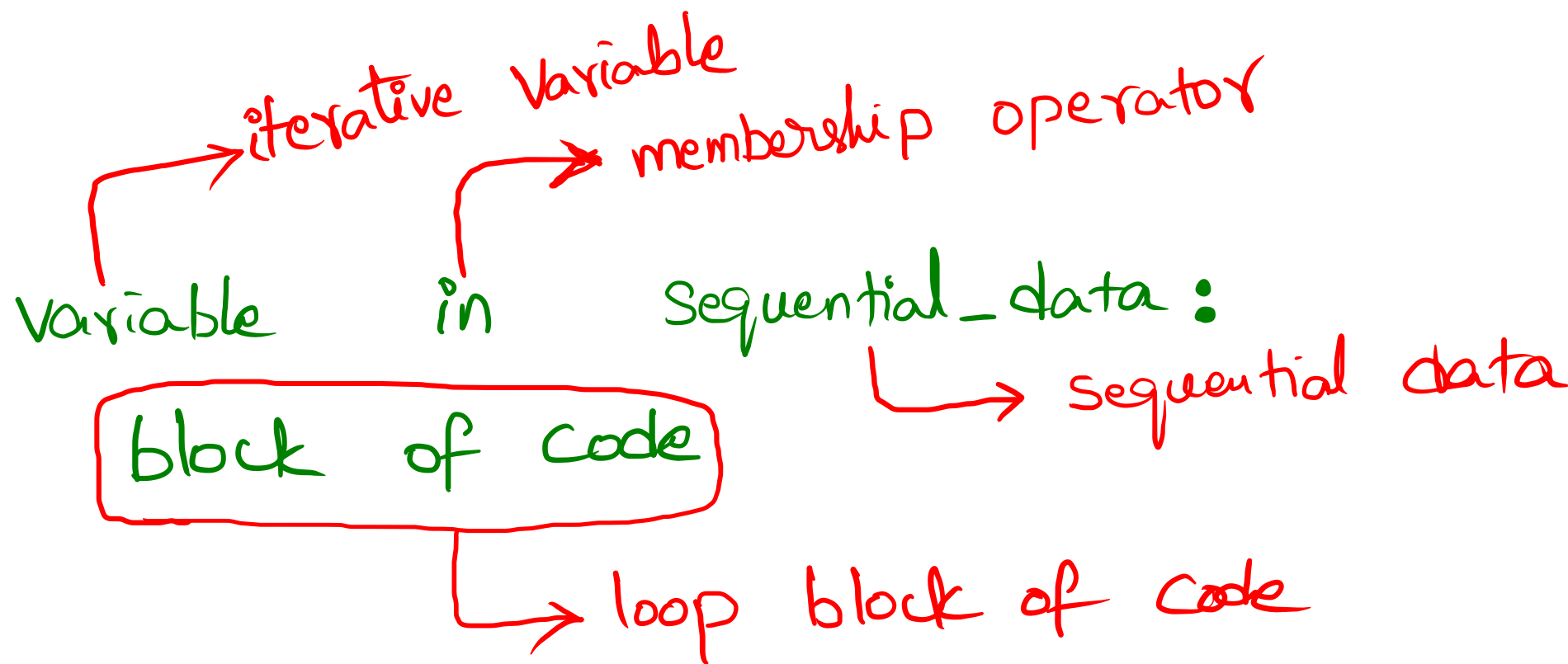
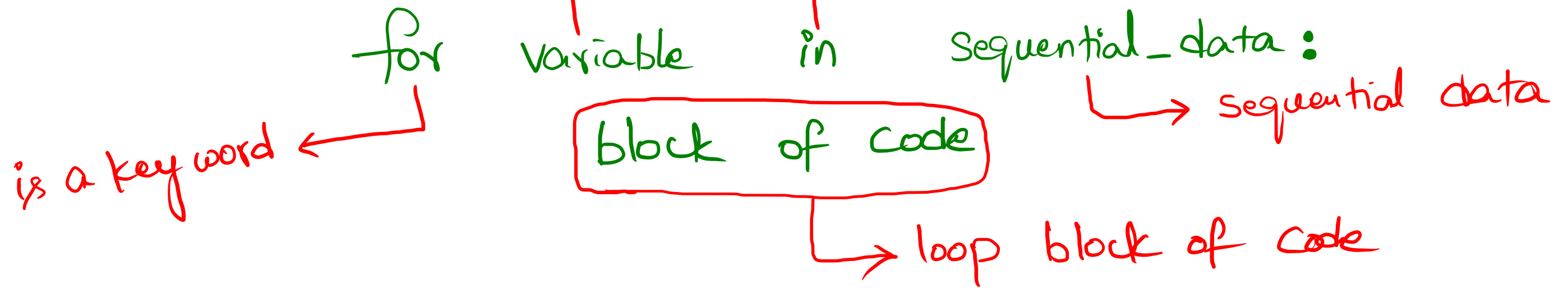


for loop syntax:

for  
is a key word ←



for loop syntax:



① Verify sequential data

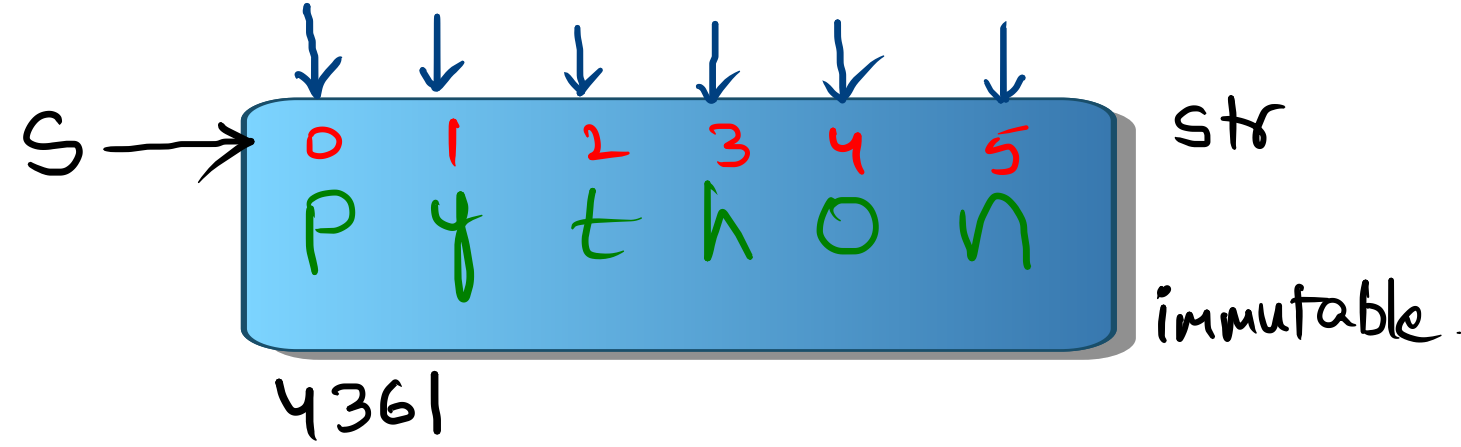
② initialization

③ for loop will go to 0<sup>th</sup> index and current indexed value will be assigned to **variable**

④ loop block of code will be executed

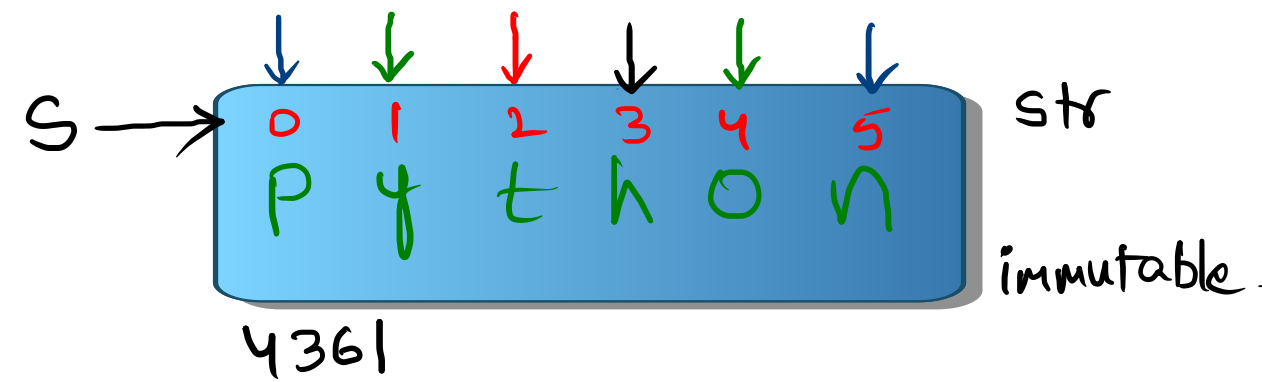
③ and ④<sup>th</sup> steps

```
s = 'python'
for i in 4361 s:
    print(i)
```



p  
y  
t  
h  
o  
n

```
s = 'python'
for i in 4361 s:
    print(i)
```



iteration: 1  
 index: 0  
 i = 'p'  
 Execute block of code  
 Continue for next iteration

iteration: 2  
 index: 1  
 i = 'y'  
 Execute block of code  
 Continue for next iteration

iteration: 3  
 index: 2  
 i = 't'  
 Execute block of code  
 Continue for next iteration

iteration: 4  
 index: 3  
 i = 'h'  
 Execute block of code  
 Continue for next iteration

iteration: 5  
 index: 4  
 i = 'o'  
 Execute block of code  
 Continue for next iteration

iteration: 6  
 index: 5  
 i = 'n'  
 Execute block of code  
 Continue for next iteration

loop terminated

o/p:  
 p  
 y  
 t  
 h  
 o  
 n