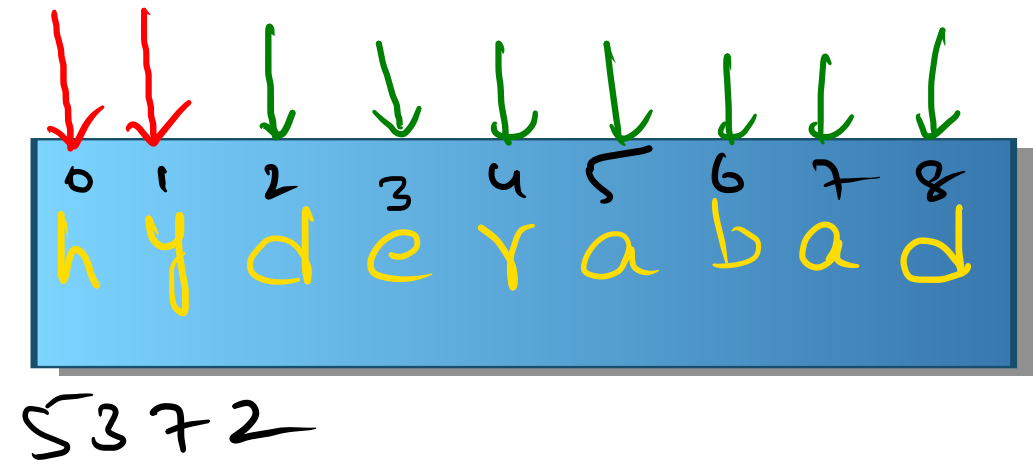


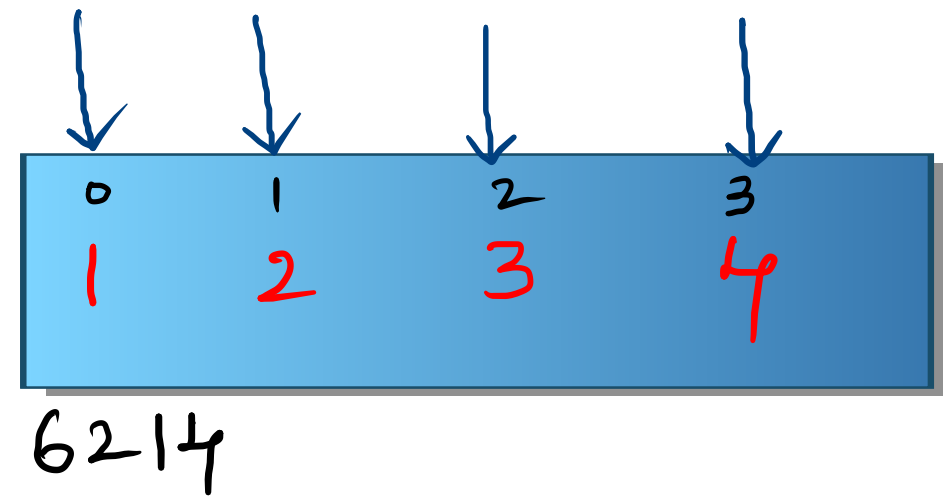
```
s = 'hyderabad'
for i in s:
    pass
else:
    print(i)
```

Diagram illustrating the execution of the code. A green arrow points from the `else:` block to the `print(i)` statement, indicating that the loop body is not executed, and the `else` block is executed.



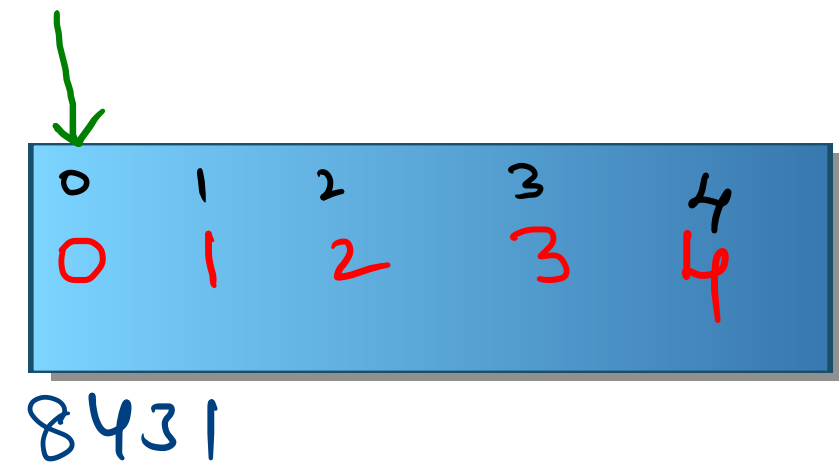
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```
for i in range(1, 5):  
    print(i)
```



1
2
3
4

```
for i in range(5):  
    break  
else:  
    print(i)
```



$S =$ ⁰ ¹ ² ³ ⁴ ⁵ [,]
 P y t h o n

$s[0] \rightarrow P$

$s[1] \rightarrow y$

$s[2] \rightarrow t$

$s[3] \rightarrow h$

$s[4] \rightarrow o$

$s[5] \rightarrow n$

0 1 2 3 4 5

$\text{range}(\text{len}(s))$

$\text{range}(0, 6)$
 \rightarrow will be excluded

`s` = 'hyderabad'

A diagram showing the string 'hyderabad' with its characters indexed from 0 to 8. The characters are: h (0), y (1), d (2), e (3), r (4), a (5), b (6), a (7), d (8). Each character is enclosed in a blue oval, and the index number is written in green above each oval.

```
for i in range(len(s):  
    if i % 2 == 0:  
        print(s[i], end='')
```