

# Solution Review: Reverse a List

This lesson will explain how to reverse a list in python using for loop.

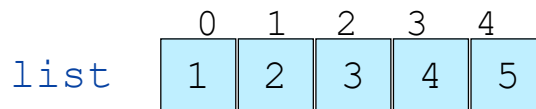
## WE'LL COVER THE FOLLOWING ^

- Solution Review: Use **for** loop

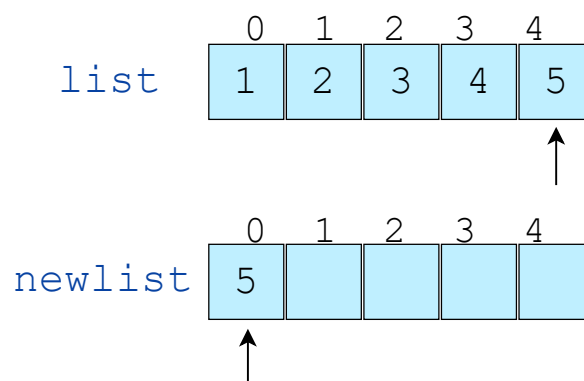
## Solution Review: Use **for** loop #

- Calculate the length of the list using the **len()** function.
- Create a new list.
- Run a backward loop starting from len to index 0.

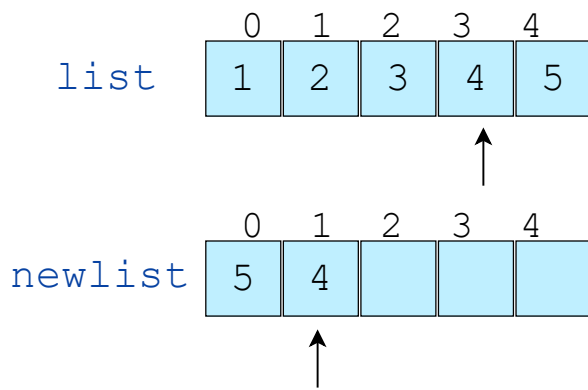
The following illustration makes it clear.



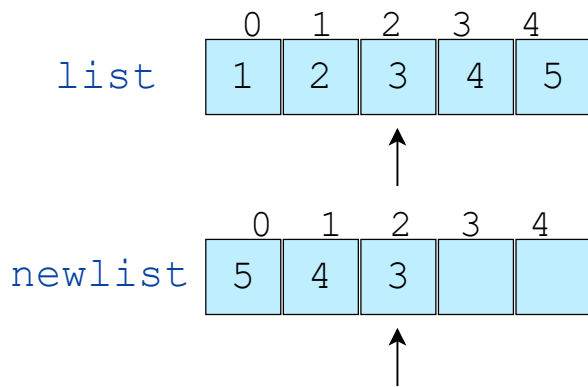
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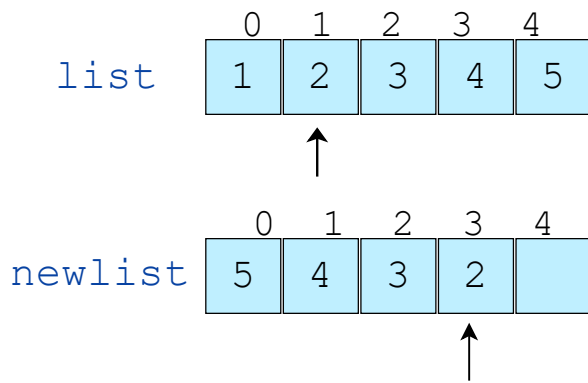
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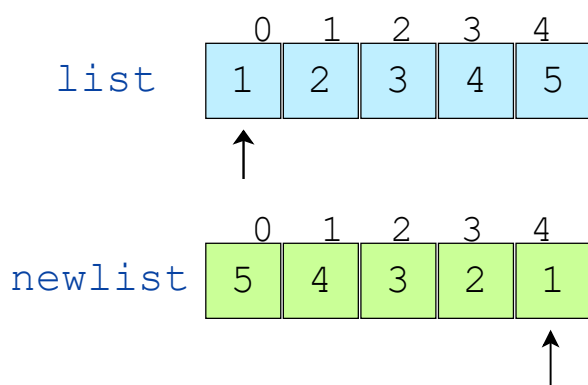
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The following python code helps to reverse a list using loop.

```
def reverse(list):  
    length = len(list)  
    s = length  
  
    new_list = [None]*length  
  
    for item in list:  
        s = s - 1  
        new_list[s] = item  
    return new_list  
  
list=[1, 2, 3, 4, 5]  
print(reverse(list))
```



Let's move on to the next problem.