## Solve Using if and for loop and data types methods;

1) A Python code to swap first and last element of the list.

List after swapping: [50, 20, 30, 40, 10]

## 2) count lenght of string

```
In [2]: my_string = "Hello, World!"
length = 0
for char in my_string:
    if char.isalpha(): # Check if the character is a letter
        length += 1

print(f"The number of alphabetic characters is: {length}")
```

The number of alphabetic characters is: 10

## 4) the sum of a only non-negative integer. ex, [1,4,-5,-20,10]

```
In [6]: numbers = [1, 4, -5, -20, 10]

# Initialize the sum
sum_of_non_negative = 0

for num in numbers:
    if num >= 0: # Check if the number is non-negative
        sum_of_non_negative += num

print(f"The sum of non-negative integers is: {sum_of_non_negative}")
```

The sum of non-negative integers is: 15

```
In [ ]:
```