

Given an array, the task is to reverse the array.

```
In [4]: 1 Input = [1, 2, 3]
        2 for i in range(len(Input)-1,-1,-1):
        3     print(Input[i],end=" ")
```

3 2 1

Given an array, a[], and an element x, find a number of occurrences of x in a[].

```
In [6]: 1 Input = [0, 5, 5, 5, 4]
        2 x = 5
        3 count=0
        4 for i in range(len(Input)):
        5     if(Input[i]==x):
        6         count+=1
        7 print("Output:",count)
```

Output: 3

Given an array A[], write a function that segregates even and odd numbers. The functions should put all even numbers first, and then odd numbers

```
In [8]: 1 Input =[12, 34, 45, 9, 8, 90, 3]
        2 list1=[]
        3 list2=[]
        4 for i in range(len(Input)):
        5     if(Input[i]%2==0):
        6         list1.append(Input[i])
        7     else:
        8         list2.append(Input[i])
        9 print(list1+list2)
        10
```

[12, 34, 8, 90, 45, 9, 3]

Given an array, cyclically rotate the array clockwise by one.

```
In [10]: 1 arr = [1, 2, 3, 4, 5]
          2 left=arr[len(arr)-1]
          3 for i in range(len(arr)-1,0,-1):
          4     arr[i]=arr[i-1]
          5 arr[0]=left
          6 print(arr)
          7
          8
```

[5, 1, 2, 3, 4]

```
In [ ]: 1
```