Q1

**Test 1**

def solution(arr):  
 maximum = arr[0]

return maximum

**Test 2**

def solution(arr):  
 maximum = 0  
   
 for elem in arr:  
 if elem > maximum:  
 maximum = elem

return maximum

Q2

def solution(arr):  
 min = 100  
   
 for elem in arr:  
 if elem < min:  
 min = elem

return min

Q3

def solution(arr):

n = len(arr)

x = arr[n - 1]

for i in range(n - 1, 0, -1):

arr[i] = arr[i - 1]

arr[0] = x

return arr[1]

Q4

def solution(arr):

N = len(arr)

temp = [0] \* (N)

for i in range(0, N):

temp[arr[i] - 2] = 1

for i in range(0, N):

if(temp[i] == 0):

ans =i

return ans

 /\*def MissingNumber(self,ar,n):

        sum1=sum(ar)

        no=(n\*(n %2B 1))//2

        return no-sum1

\*/

Q5 [https://practice.geeksforgeeks.org/problems/-rearrange-array-alternately-1587115620/1?page=2&category[]=Arrays&sortBy=submissions](https://practice.geeksforgeeks.org/problems/-rearrange-array-alternately-1587115620/1?page=2&category%5b%5d=Arrays&sortBy=submissions)

def rearrange(self,arr, n):

        ##Your code here

        a=sorted(arr)

        i=0

        j=n-1

        for x in range(0,n,2):

            arr[x]=a[j]

            if (x+1 <= n-1):

                arr[x+1]=a[i]

                j-=1

                i+=1

        return arr

def solution(arr):

n=len(arr)

a=sorted(arr)

i=0

j=n-1

for x in range(0,n,2):

arr[x]=a[j]

if (x %2B 1 <= n-1):

arr[x %2B 1]=a[i]

j-=1

i %2B =1

return arr

Q6

[https://practice.geeksforgeeks.org/problems/find-transition-point-1587115620/1?page=2&category[]=Arrays&sortBy=submissions](https://practice.geeksforgeeks.org/problems/find-transition-point-1587115620/1?page=2&category%5b%5d=Arrays&sortBy=submissions)

def solution(arr):

return arr.index(1) if 1 in arr else -1

Q7

def solution(n):

return n\*(n %2B 1)/2;

Q8

def solution(arr):

    end=len(arr)-1

    for i in arr:

        if i==int(str(i)[::-1]):

            if i==arr[end]:

                return 1

        else:

            return 0

Q9

def solution(arr):

sum = 0

n=len(arr)

for i in range(n):

sum = sum %2B arr[i]

return sum