Sort an array of 0s, 1s, and 2s

def sort012(self,arr,n):

# code here

low=0

high=n-1

mid=0

while mid<=high:

if arr[mid]==0:

arr[mid] , arr[low] = arr[low] , arr[mid]

mid+=1

low+=1

elif arr[mid]==1:

mid+=1

else:

arr[mid] , arr[high] = arr[high] , arr[mid]

high-=1

Binary Search

def binarysearch(self, arr, n, k):

# code here

for i in range(0,len(arr)):

if arr[i]==k:

return i

return -1