

## Move all negative numbers to beginning and positive to end with constant extra space

```
#include<stdio.h>

int main()
{
    int i,j,n,temp=0;
    printf("Enter array size: ");
    scanf("%d",&n);
    int arr[n];
    for(i=0; i<n; i++)
    {
        scanf("%d",&arr[i]);
    }
    for(i=0; i<n; i++)
    {
        for(j=i+1; j<n; j++)
        {
            if(arr[i]>=arr[j])
            {
                temp = arr[i];
                arr[i]= arr[j];
                arr[j] = temp;
            }
        }
    }
    for(i=0; i<n; i++)
```

```
{  
    printf("%d ",arr[i]);  
}  
printf("\n");  
}
```