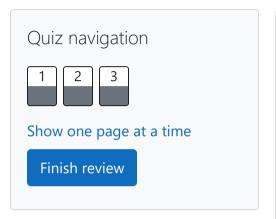
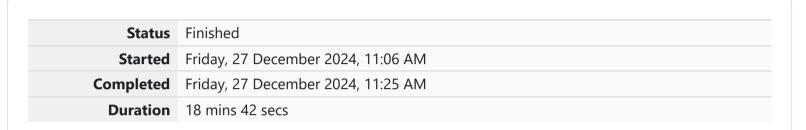
GE23131-Programming Using C-2024





Question **1**

Correct

Marked out of 1.00

▼ Flag question

Given an array of numbers and a window of size k. Print the maximum of numbers inside the window for each step as the window moves from the beginning of the array.

Input Format

Input contains the array size, no of elements and the window size

Output Format

Print the maximum of numbers

Constraints

1 <= size <= 1000

Sample Input 1

8

13521869

:

Sample Output 1

555889

For example:

```
1 3 5 2 1 8 6 9

3

10

7 7 5 9 9 9 8 5

3 7 5 1 2 9 8 5 3 2
```

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
 2 v int main(){
         int n,k;
 3
         scanf("%d",&n);
         int arr[n];
 5
         for(int i=0;i<n;i++){</pre>
             scanf("%d",&arr[i]);
 8
         scanf("%d",&k);
 9
         for(int a=0;a<=n-k;a++){</pre>
10 •
             int max=arr[a];
11
             for(int b=a;b<a+k;b++){</pre>
12 🔻
                 if(arr[b]>max){
13 🔻
                      max=arr[b];
14
15
16
             printf("%d ",max);
17
18
19
```

	Input	Expected	Got	
~	8	5 5 5 8 8 9	5 5 5 8 8 9	~
	1 3 5 2 1 8 6 9			

Question **2**

Marked out of

▼ Flag question

Correct

1.00

3 7 5 1 2 9 8 5 3 2 Passed all tests! ✓ Given an array and a threshold value find the output. Input: {5,8,10,13,6,2} Threshold = 3Output count = 17 Explanation: Number Parts Counts {3,2} 5 2 8 {3,3,2} 3 {3,3,3,1} 10 4 {3,3,3,3,1} 13 5 6 {3,3} 2 {2} 2 1 Input Format N - no of elements in an array Array of elements Threshold value **Output Format** Display the count Sample Input 1

3
Sample Output 1
17

For example:

Input	Result
6 5 8 10 13 6 2 3	17
7 20 35 57 30 56 87 30 10	33

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 2 v int main(){
        int n,t,count=0;
 3
        scanf("%d",&n);
        int arr[n];
        for(int i=0;i<n;i++){</pre>
             scanf("%d",&arr[i]);
 7
 8
         scanf("%d",&t);
 9
10 🔻
         for(int j=0;j<n;j++){</pre>
             while(arr[j]>0){
11 🔻
                 arr[j]-=t;
12
13
                 count++;
14
15
16
         printf("%d",count);
17
```

	Input	Expected	Got	
>	6 5 8 10 13 6 2 3	17	17	>
~	7 20 35 57 30 56 87 30 10	33	33	~

Passed all tests! <

Question $\bf 3$

Correct

Marked out of 1.00

▼ Flag question

Output is a merged array without duplicates.

Input Format

N1 - no of elements in array 1

Array elements for array 1

N2 - no of elements in array 2

Array elements for array2

Output Format

Display the merged array

Sample Input 1

5

12369

4

123456910

For example:

Input	Result		
5	1 2 3 4 5 6 9 10		
1 2 3 6 9			
4			
2 4 5 10			

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
 2 v int main(){
         int a,b;
 3
 4
         scanf("%d",&a);
        int arr1[a];
        for(int i=0;i<a;i++)</pre>
         scanf("%d",&arr1[i]);
         scanf("%d",&b);
 8
 9
        int arr2[b];
10
         for(int i=0;i<b;i++)</pre>
11
         scanf("%d",&arr2[i]);
12
         int p=0, q=0;
13 🔻
         while((p<a)&&(q<b)){</pre>
14 ▼
             if(arr1[p]<arr2[q]){</pre>
15
                 printf("%d ",arr1[p]);
16
                 p++;
17 🔻
             }else if(arr1[p]>arr2[q]){
                 printf("%d ",arr2[q]);
18
19
                 q++;
20 🔻
             }else{
                 printf("%d ",arr1[p]);
21
22
                 p++;
23
                 q++;
24
25
```

```
29 ▼
          for(int j=q;j<b;j++){</pre>
 30
              printf("%d ",arr2[j]);
 31
 32 }
                Expected
     Input
                                 Got
                1 2 3 4 5 6 9 10 1 2 3 4 5 6 9 10
     1 2 3 6 9
     2 4 5 10
Passed all tests! <
                                                                 Finish review
```