




Count the number of elements strictly greater than x.

```
array2 >  assignemnt1.cpp >  main()
1  #include<iostream>
2  using namespace std;
3  int main(){
4      cout<<"enter the number: ";
5      int n;
6      cin>>n;
7      cout<<"enter the x element: ";
8      int x;
9      cin>>x;
10     int arr[n];
11     cout<<"enter the array element: ";
12     for(int i=0;i<=n-1;i++){
13         cin>>arr[i];
14     }
15     int count=0;
16     for(int i=0;i<=n-1;i++){
17         if(x<arr[i]) count++;
18     }
19     cout<<count;
20 }
```

WAP to find the largest three elements in the array.

```
array2 > G+ assignment2.cpp > ...
1  #include<iostream>
2  using namespace std;
3  int main(){
4  cout<<"enter the number: ";
5  int n;
6  cin>>n;
7  int arr[n];
8  cout<<"enter the element: ";
9  for(int i=0;i<=n-1;i++){
10     cin>>arr[i];
11 }
12 int max , max2 , max3;
13 max=max2=max3=arr[0];
14 for(int i=0;i<=n-1;i++){
15     if(arr[i]>max){
16         max3=max2;
17         max2=max;
18         max=arr[i];}
19     else if(arr[i]>max2){
20         max3=max2;
21         max2=arr[i];
22     }
23     else if(arr[i]>max3){
24         max3=arr[i];
25     }
26 }
27 cout<<"the three largest elemnt is : "<<max<<" "<<max2<<" "<<" "<<max3;
28 }
```

Check if the given array is sorted or not

array2 >  assignment3.cpp > ...

```
1  #include<iostream>
2  using namespace std;
3  int main(){
4  cout<<"enter the number: ";
5  int n;
6  cin>>n;
7  int arr[n];
8  cout<<"enter the element: ";
9  for(int i=0;i<=n-1;i++){
10 |     cin>>arr[i];
11 | }
12 bool flag=true;
13 for(int i=0;i<=n-2;i++){
14 |     if(arr[i]>arr[i+1]) {
15 |         flag=false;
16 |         break;
17 |     }
18 | }
19 if(flag==true) cout<<"array is sorted.";
20 else cout<<"array is unsorted.";
21 }
```

Find the difference between the sum of elements at even indices to the sum of elements at odd indices.

```
array2 > G+ assignment4.cpp > ...
1  #include<iostream>
2  using namespace std;
3  int main(){
4  cout<<"enter the number: ";
5  int n;
6  cin>>n;
7  int arr[n];
8  cout<<"enter the element: ";
9  for(int i=0;i<=n-1;i++){
10 |     cin>>arr[i];
11 | }
12 int sumeven=0;
13 int sumodd=0;
14 for(int i=0;i<=n-1;i++){
15 |     (i%2==0) ? sumeven+=arr[i] : sumodd+=arr[i];
16 | }
17 cout<<sumeven-sumodd;
18 }
```

Given an array of integers, change the value of all odd indexed elements to its second multiple and increment all even indexed values by 10.

```
array2 > G+ assignment5.cpp > ...  
1  #include<iostream>  
2  using namespace std;  
3  int main(){  
4      cout<<"enter the array size: ";  
5      int n;  
6      cin>>n;  
7      int arr[n];  
8      cout<<"enter the array element: ";  
9      for(int i=0;i<=n-1;i++){  
10         cin>>arr[i];  
11     }  
12     for(int i=0;i<=n-1;i++){  
13         if(i%2==0) arr[i]+=10;  
14         else arr[i]*=2;  
15         cout<<arr[i]<<" ";  
16     }  
17 }
```