Count the number of triplets whose sum is equal to the given value x.

```cpp
array3 > C+ assignment1.cpp > ⦿ main()
1    #include<iostream>
2    using namespace std;
3    int main(){
4        cout<<"enter the x element: ";
5        int x;
6        cin>>x;
7        cout<<"enter the array size: ";
8        int n;
9        cin>>n;
10       cout<<"enter the array element: ";
11       int arr[n];
12       int count=0;
13       for(int i=0;i<=n-1;i++){
14           cin>>arr[i];
15       }
16       for(int i=0;i<=n-1;i++){
17           for(int j=i+1;j<=n-1;j++){
18               for(int k=j+1;k<=n-1;k++){
19                   if(arr[i]+arr[j]+arr[k]==x){
20                       count++;
21                   }
22               }
23           }
24       }
25       cout<<count;
26   }
```

Find the first non-repeating element in the array .

```cpp
array3 > G+ assignment3.cpp > ...
1   #include <iostream>
2   using namespace std;
3   int main(){
4   int arr[5]={1,2,2,4,7};
5   int n=5;
6           for(int i = 0; i < n; i++) {
7               for(int j = 0; j < n; j++)
8                   if(i != j && arr[i] == arr[j])
9                       break;
10                  if(j == n){
11                      cout<<arr[i];
12                  }
13          }
14  }
```

Check if an array is a subset of another .

```cpp
array3 > C⁺ asssignment4.cpp > ...
1    #include<iostream>
2    using namespace std;
3    int main(){
4        int arr[]={0,6,7,6,0,9,1};
5        int n=8;
6        int j=0;
7        for(int i=0;i<n;i++){
8            if(arr[i]!=0){
9                swap(arr[j],arr[i]);
10               j++;
11           }
12       }
13       for(int i=0;i<=n-1;i++){
14           cout<<arr[i]<<" ";
15       }
```