```
#include<bits/stdc++.h>
using namespace std;
int main() {
    int n;
    cin>>n;
    int i,s[n],f[n];
    for(i=0;i<n;i++)</pre>
    cin>>s[i];
    for(i=0;i<n;i++)</pre>
    cin>>f[i];
    vector<vector<int>> a;
    vector<int> act;
    for(i=0;i<n;i++)</pre>
    a.push_back({f[i],s[i],i+1});
    sort(a.begin(),a.end());
    int e=INT_MIN,c=0;
    for(i=0;i<n;i++)</pre>
    {
         if(a[i][1]>=e)
             e=a[i][0];
             C++;
             act.push_back(a[i][2]);
         }
    cout<<"No. of non-conflicting activities : "<<c<endl;</pre>
    cout<<"List of selected activities : ";</pre>
    for(i=0;i<act.size();i++)</pre>
    cout<<act[i]<<",";</pre>
    return 0;
}
```

OUTPUT-

```
13053588212

45679911121416

[Success] Your code was executed successfully No. of non-conflicting activities: 4
List of selected activities: 1,4,7,10
```

```
#include<bits/stdc++.h>
using namespace std;
int main()
{
    int n;
    cin>>n;
    int i,t[n],f[n];
    for(i=0;i<n;i++)</pre>
    cin>>t[i];
    for(i=0;i<n;i++)</pre>
    cin>>f[i];
    vector<vector<int>> a;
    vector<int> act;
    for(i=0;i<n;i++)</pre>
    a.push_back({f[i],f[i]-t[i],i+1});
    sort(a.begin(),a.end());
    int e=INT_MIN,c=0;
    for(i=0;i<n;i++)</pre>
    {
        if(a[i][1]>=e)
            e=a[i][0];
            C++;
            act.push_back(a[i][2]);
        }
    sort(act.begin(),act.end());
    cout<<"Max number of tasks : "<<c<endl;</pre>
    cout<<"Selected task Numbers : ";</pre>
    for(i=0;i<act.size();i++)</pre>
    cout<<act[i]<<",";</pre>
    return 0;
}
OUTPUT-
7
2132221
2386253
[Success] Your code was executed successfully
Max number of tasks : 4
Selected task Numbers: 1,2,3,6
```

```
#include<bits/stdc++.h>
using namespace std;
int main()
{
    int n;
    cin>>n;
    int i,a[n],c,j;
    for(i=0;i<n;i++)</pre>
    cin>>a[i];
    bool f=0;
    sort(a,a+n);
    for(i=0;i<n;i++)</pre>
         c=1;
         j=i+1;
         while(j<n && a[j++]==a[i])</pre>
             C++;
         if(c>n/2)
         {
             cout<<"yes\n";</pre>
             f=1;
             break;
         }
         i=j-1;
    if(f==0)
    cout<<"no\n";</pre>
    if(n%2!=0)
    cout<<a[n/2];
    cout<<((float)a[n/2]+a[n/2-1])/2;</pre>
    return 0;
}
```

OUTPUT-

```
9
442322322

[Success] Your code was executed successfully yes
2
```