

Program to print union of two sets

```
#INCLUDE <IOSTREAM>

using namespace std;
int find(int arr[],int n,int val){
    for(int i=0;i<n;i++){
        if(arr[i]==val)
            return 0;
    }
    return 1;
}

int main()
{
    int n;
    cout<<"ENTER THE NO. OF ELEMNTS: \n";
    cin>>n;
    int a[n],b[n];
    cout<<"ENTER THE ELEMENTS OF THE FIRST SET: \n";
    for(int i=0;i<n;i++){
        cin>>a[i];
    }
    cout<<"ENTER THE ELEMENTS OF THE SECOND SET: \n";
    for(int i=0;i<n;i++){

        cin>>b[i];
    }
    int ans[2*n];
    int k=0;
    for(int i=0;i<n;i++){
        ans[k]=a[i];
        k++;
    }
    for(int i=0;i<n;i++){
        if(find(a,n,b[i]) == 1)
        {
            ans[k]=b[i];
            k++;
        }
    }
    cout<<"THE UNION OF TWO SETS ARE\n";
    for(int i=0;i<k;i++){
        cout<<ans[i]<<" ";
    }

    return 0;
}
```

OUTPUT

```
enter the no. of elemnts:
5
Enter the elements of the first set:
5 4 6 8 2
Enter the elements of the second set:
2 1 3 8 9
the union of two sets are
5 4 6 8 2 1 3 9

...Program finished with exit code 0
Press ENTER to exit console.
```