

Program to print intersection 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 1;
    }
    return 0;
}

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[n];
    int k=0;
    for(int i=0;i<n;i++){
        if(find(b,n,a[i])){
            ans[k]=a[i];
            k++;
        }
    }
    cout<<"the intersection of two sets are\n";
    for(int i=0;i<k;i++){
        cout<<ans[i]<<" ";
    }

    return 0;
}
```

OUTPUT

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

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