Union of two set

#include<stdio.h>

#include<conio.h>

void main()

{

int a[10],b[10],i,c[10],j,k=0,n1,n2;

printf("Enter number of element of set A\n");

scanf("%d",&n1);

printf("Enter the element of set A \n");

for(i=0;i<n1;i++)

scanf("%d",&a[i]);

printf("Enter number of element of set B\n");

scanf("%d",&n2);

printf("Enter the element of set B \n");

for(i=0;i<n2;i++)

scanf("%d",&b[i]);

for(i=0;i<n1;i++)

{

for(j=0;j<k;j++)

{

if(c[j]==a[i])

break;

}

if(j==k)

{

c[k]=a[i];

k++;

}

}

for(i=0;i<n2;i++)

{

for(j=0;j<k;j++)

{

if(c[j]==b[i])

break;

}

if(j==k)

{

c[k]=b[i];

k++;

}

}

printf("Union of set A and B is:-\n");

for(i=0;i<k;i++)

printf("%d ",c[i]);

}

