/\*array deletion\*/

#include<stdio.h>

int main()

{

int n,i,key,location,found;

printf("enter the value of n\n");

scanf("%d",&n);

int a[n];

printf("enter the values of array\n");

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

{

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

}

printf("your array elements are\n");

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

{

printf("%d\n",a[i]);

}

printf("enter the value of element to be deleted\n");

scanf("%d",&key);

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

{

if(a[i]==key)

{

found=1;

location=i;

break;

}

else

{

found=0;

}

}

if(found==0)

printf("SEARCH UNSUCCESSFUL:element not found,deletion is not possible\n");

else

while(location<n)

{

a[location]=a[location+1];

location++;

}

printf("after deletion the array is\n");

for(i=0;i<n-1;i++)

{

printf("%d\n",a[i]);

}

return 0;

}