/\*array searching(linear search)\*/

#include<stdio.h>

int main()

{

int n,i,found,location,key;

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("enter your key(search)element\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\n");

else

printf("SEARCH SUCCESSFUL:%d is present at place %d",key,(location+1));

return 0;

}

