#include<stdio.h>

int linearsearch(int a[],int n,int val)

{

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

{

if (a[i]==val)

return i+1;

}

return -1;

}

int main()

{

int a[]={70,40,30,11,57,41,25,14,52};

int val=414;

int n=sizeof(a)/sizeof(a[0]);

int res=linearsearch(a,n,val);

printf("The element of the array are:");

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

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

printf("\n Element to be searh is %d",val);

if(res == -1)

printf("\n Elemnt is not present in the array");

else

printf("\n element is present at %d position of array",res);

return 0;

}

OUTPUT:

The element of the array are:70 40 30 11 57 41 25 14 52

Element to be searh is 41

element is present at 6 position of array