#include<stdio.h>

int Bin\_Search(int A[],int n,int key)

{

int first,last,mid;

first=0;

last=n-1;

while(first<=last)

{

mid=(first+last)/2;

if(A[mid]==key)

return mid;

else if(A[mid]<key)

first=mid+1;

else if(A[mid]>key)

last=mid-1;

}

return 0;

}

int main()

{

int n=6;

int a[]={ 1,5,6,7,9,10},key=6;

int pos=Bin\_Search(a,n,key);

if(pos>0)

printf("The element is found at %d positon",pos);

else

printf("The element is not found.");

}