*PROGRAM 5*

*#include<iostream.h>*

*void Bsearch(int a[],int n,int v)*

*{*

*int f=0,l=n-1;*

*while(f<=l)*

*{*

*int m=(f+l)/2;*

*if(a[m]==v)*

*{*

*cout<<v<<" "<<"found at"<<" "<<m+1<<" "<<"position";*

*cout<<endl;*

*break;*

*}*

*else if(a[m]>v)*

*f=m+1;*

*else*

*l=m-1;*

*}*

*if(f>l)*

*cout<<v<<" "<<"not found"<<endl;*

*}*

*void main()*

*{*

*int a[100],n,i,v;*

*cout<<"Enter the limit=";*

*cin>>n;*

*cout<<endl;*

*cout<<"Search element=";*

*cin>>v;*

*cout<<endl;*

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

*{*

*cin>>a[i];*

*cout<<" ";*

*}*

*Bsearch(a,n,v);*

*}*

*OUTPUT:*

