PROGRAM

```c
#include<stdio.h>
int binarysearch(int a[],int n,int elem)
{
        int top=0,bot=n-1,mid;
        while(top<=bot)
        {
                mid=(top+bot)/2;
                if(a[mid]==elem)
                        return (mid+1);
                else if(elem<a[mid])
                        bot=mid-1;
                else
                        top=mid+1;
        }
        return (-1);
}

void read(int a[],int n)
{
        int i;
        printf("Enter the elements : ");
        for(i=0;i<n;i++)
                scanf("%d",&a[i]);
}

void main()
{
        int a[100],n,e,p;
        printf("Size of array  : ");
        scanf("%d",&n);
        read(a,n);
        printf("Element to be searched : ");
        scanf("%d",&e);
        p=binarysearch(a,n,e);
        if(p==-1)
                printf("Element not present");
        else
                printf("Element present at : %d",p);
}
```

OUTPUT

```
Size of array : 5
Enter the elements : 12
34
67
89
99
Element to be searched : 67
Element present at : 3
```