```c
//Binary search using functions
#include <stdio.h>
void b_search(int a[],int x,int n)
{ int high=n-1,low=0,mid,f=0;
  while(low<=high)
  { mid=(low+high)/2;
    if(a[mid]==x){
    f++;
    break;}
    else if(a[mid]<x)
    low=mid+1;
    else
    high=mid-1;
  }
  if(f==1)
  printf("Element present at %d",mid+1);
  else
  printf("Element not present");
}
int main()
{
   int n,x,a[10],i;
   printf("Enter total no. of elements:");
   scanf("%d",&n);
   printf("Enter array:");
   for(i=0;i<n;i++)
   scanf("%d",&a[i]);
   printf("Enter searching element:");
   scanf("%d",&x);
   b_search(a,x,n);

   return 0;
}
```

```
Enter total no. of elements:5
Enter array:12 23 45 67 78
Enter searching element:89
Element not present
```

```c
//Binary search using functions
#include <stdio.h>
void b_search(int a[],int x,int n)
{ int high=n-1,low=0,mid,f=0;
  while(low<=high)
  { mid=(low+high)/2;
    if(a[mid]==x){
    f++;
    break;}
    else if(a[mid]<x)
    low=mid+1;
    else
    high=mid-1;
  }
  if(f==1)
  printf("Element present at %d",mid+1);
  else
  printf("Element not present");
}
int main()
{
   int n,x,a[10],i;
   printf("Enter total no. of elements:");
   scanf("%d",&n);
   printf("Enter array:");
   for(i=0;i<n;i++)
   scanf("%d",&a[i]);
   printf("Enter searching element:");
   scanf("%d",&x);
   b_search(a,x,n);

   return 0;
}
```

```
Enter total no. of elements:5
Enter array:12 23 45 67 78
Enter searching element:67
Element present at 4
```