```c
#include <stdio.h>
int binarySearch(int arr[], int l, int r, int x)
{
while (l <= r)
{
        int m = l + (r-l)/2;

        if (arr[m] == x)
                return m;

        if (arr[m] < x)
                l = m + 1;

        else
                r = m - 1;
}
return -1;
}

int main(void)
{
int arr[100];
int n;
int x,i;
printf("enter size of the array");
scanf("%d",&n);
printf("enter sorted array\n");
for(i=0;i<n;i++)
{
        scanf("%d",&arr[i]);
}
printf("enter element");
scanf("%d",&x);
int result = binarySearch(arr, 0, n-1, x);
(result == -1)? printf("Element is not present in array")
                                        :
printf("Element is present at index %d", result);
return 0;
```

}