Binary Search

#include<stdio.h>

Void main()

{

int a[10],n,i,j,key,first,last,mid,flag=0;

printf("Enter no. of elements:");

scanf("%d",&n);

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

scanf("%d",&a[i]);

printf("Enter elements to search: ");

scanf("%d",&key);

first=0;

last=n-1;

while(first<=last)

{

mid=( first+last)/2;

if(a[mid]>key)

last=mid-1;

else if(a[mid]==key)

{

flag=1;

break;

}

else

first=mid+1;

}

if(flag==1)

printf("element found");

}