1]

#include <stdio.h>

int binarySearch(int arr[],int n,int search){

int beg=0,end=n-1;

while (beg<=end){

int mid=(beg + end)/2;

if (arr[mid]==search)

return mid;

else if (arr[mid]<search)

beg=mid+1;

else

end=mid-1;}

return 0;}

int main(){

int arr[]={10,20,30,40,50};

int n=5,search=40;

int result=binarySearch(arr,n,search);

if (result!=0)

printf("Found at index %d\n",result);

else

printf("Not found\n");

return 0;}

