//BINARY SEARCH

#include<iostream>

using namespace std;

int BinarySearch(int arr[],int n,int key){

int start=0,end=n-1,mid;

while(start<=end){

//Mid ko find karo from this formula

mid=(start+end)/2;

if(arr[mid]==key)

return mid;

else if(arr[mid]<key)

start=mid+1;

else

end=mid-1;

}

//if element is not present

return -1;

}