public class binarySearch {  
  
 public static void main(String[] args){  
  
  
 int[] arr = {3,6,9,12,15};  
 int key = 12;  
 int arrlength = arr.length;  
 *binarySearch(arr,0,key,arrlength);  
 }  
  
public static void binarySearch(int[] arr, int start, int key, int length){  
  
 int midValue = (start+length)/2;  
 while(start<=length){  
  
 if(arr[midValue]<key){  
  
 start = midValue + 1;  
 } else if(arr[midValue]==key){  
 System.out.println("Element is found at index :"+midValue);  
 break;  
 }else {  
  
 length=midValue-1;  
 }  
 midValue = (start+length)/2;  
 }  
 if(start>length){  
  
 System.out.println("Element is not found");  
 }  
  
}  
  
}*