// notepad bsa

import java.util.Scanner;

class Binary\_search\_algorithm{

public static void main(String[] args){

Scanner scanf = new Scanner(System.in);

int[] arr = new int[100];

int i=0,j=0,l=0,t=0,b=1;

System.out.print("Enter Length\t");

l = scanf.nextInt();

System.out.println("");

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

{

System.out.print("ELEMENT["+(i+1)+"]\t");

arr[i] = scanf.nextInt();

}

do{

System.out.println("");

System.out.println("Desired number\t");

t = scanf.nextInt();

int a = search(arr,l,t);

System.out.println("");

if(a!= -1) {System.out.println("NUMBER FOUND AT PLACE \t "+(a+1));}

else System.out.println("MISSING");

System.out.println("\nCLICK 1 TO CONTINUE\nENTER:");

b = scanf.nextInt();

}while(b==1);

scanf.close();

}

static int search(int arr[],int l,int t){

int i = 0;

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

while(start<=end)

{

mid = (start + end)/2;

if(arr[mid] == t) {

wh

}

if(t > arr[mid]) { start = mid + 1;}

if(t < arr[mid]) {end = mid-1;}

}

return -1;

}

}