



album.java



Saved

```
1 import java.util.*;
2 public class ArrayBinary {
3     public static void main(String[] args) {
4         int count = 0;
5         Scanner sc = new Scanner(System.in);
6         System.out.println("Enter the length of
7         int n = sc.nextInt();
8         int arr[] = new int[n];
9         int array[] = new int[n];
10        System.out.println("enter the elements o
11        for (int i = 0; i < n; i++) {
12            arr[i] = sc.nextInt();
13        }
14        for (int i = 0; i < n; i++) {
15            if (arr[i] == 0)
16                count++;
17        }
18
19        for (int i = 0; i < count; i++) {
20            array[i] = 0;
21        }
22        for (int i = count; i < n; i++) {
23            array[i] = 1;
24        }
25        System.out.println("author:K.Sai Teja \n
26        for(int i=0;i<n;i++){
27            System.out.print(array[i]);
28        }
29    }
30 }
```

✕ Terminal



```
Enter the length of the array
5
enter the elements of the array
0
1
1
1
0
author:K.Sai Teja
sap:51834609
sorted array
00111
Process finished.
```



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```
1 public class Main
2 {
3     public static int binary(int[] M, int left, int right, int n)
4     {
5         if (left > right) {
6             return -1;
7         }
8         int mid = (left + right) / 2;
9         if (n == M[mid]) {
10             return mid;
11         }
12         else if (n < M[mid]) {
13             return binary(M, left, mid - 1, n);
14         }
15         else {
16             return binary(M, mid + 1, right, n);
17         }
18     }
19     public static void main(String[] args)
20     {
21         int[] M = { 3, 8, 5, 9, 2, };
22         int key = 5;
23         int left = 0;
24         int right = M.length - 1;
25         int index = binary(M, left, right, key);
26         System.out.println("Author:K.Sai Teja\nSAP ID: 51834609");
27         if (index != -1) {
28             System.out.println("Element found at " + index);
29         } else {
30             System.out.println("Element not found");
31         }
32     }
33 }
```

✕ Terminal



```
Author:K.Sai Teja
SAP ID: 51834609
Element found at 2

Process finished.
```