

```
1: Project
2: Structure
3: avonites

Vms.java x Binary_array.java x Disarium.java x

1 import java.io.*;
2 public class Disarium
3 {
4     public static void main(String[] args) throws IOException
5     {
6         BufferedReader br=new BufferedReader (new InputStreamReader(System.in));
7         System.out.println("Author:G.Sreekanth\nSAP ID:51834595");
8         System.out.print("Enter a number : ");
9         int n = Integer.parseInt(br.readLine());
10        int copy = n, a = 0, sum = 0;
11        String b = Integer.toString(n);
12        int len = b.length();
13
14        while(copy>0)
15        {
16            a = copy % 10;
17            sum = sum + (int)Math.pow(a,len);
18            len--;
19            copy = copy / 10;
20        }
21
22        if(sum == n)
23            System.out.println(n+" is a Disarium Number.");
24        else
25            System.out.println(n+" is not a Disarium Number.");
26    }
27 }
```



Run:

Binary\_array

"C:\Program Files\Java\jdk-14.0.1\bin\java.exe" "-javaagent:C:\Program Fi

Enter the length of the array

5

enter the elements of the array

0

1

0

1

1

author:G.Sreekanth

sap:51834595

after sorting

00111

Process finished with exit code 0

|



s.java Binary\_array.java

```
public class Binary_array {  
    public static void main(String[] args) {  
        int count = 0;  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the length of the array");  
        int len = sc.nextInt();  
        int arr[] = new int[len];  
        int arr1[] = new int[len];  
        System.out.println("enter the elements of the array");  
        for (int i = 0; i < len; i++) {  
            arr[i] = sc.nextInt();  
        }  
        for (int i = 0; i < len; i++) {  
            if (arr[i] == 0)  
                count++;  
        }  
  
        for (int i = 0; i < count; i++) {  
            arr1[i] = 0;  
        }  
        for (int i = count; i < len; i++) {  
            arr1[i] = 1;  
        }  
        System.out.println("author:G.Sreekanth \n sap:51834595 \n after sort");  
        for (int i = 0; i < len; i++) {  
            System.out.print(arr1[i]);  
        }  
    }  
}
```



```
Run: Binary_array x
"C:\Program Files\Java\jdk-14.0.1\bin\jav
Enter the length of the array
5
enter the elements of the array
0
1
0
1
1
author:G.Sreekanth
sap:51834595
after sorting
00111
Process finished with exit code 0
```