



j.java

Saved



```
1 import java.io.*;
2 public class Main
3 {
4     public static void main(String[] args) throws IOException
5     {
6         BufferedReader br=new BufferedReader (new InputStreamReader
7         System.out.println("Done by D.Jai srikar sap I'd 518
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.")
```



Done by D.Jai srikar sap I'd 51834526

Enter a number : 1

1 is a Disarium Number.

Process finished.



j.java

Saved



```
1 public class Main
2 {
3     static int replaceDigit(int a, int numbertobereplaced
4                             int replacingnumber)
5     {
6         int result = 0, multiply = 1;
7
8         while (a % 10 > 0)
9         {
10
11             int remainder = a % 10;
12
13             if (remainder == numbertobereplaced)
14                 result = result + replacingnumber * multiply;
15
16             else
17                 result = result + remainder * multiply;
18
19             multiply *= 10;
20             a = a / 10;
21         }
22         return result;
23     }
24
25     public static void main(String[] args)
26     {
27         int a = 1347232, numbertobereplaced = 2, replacingnumber = 9;
28         System.out.println("Done by D.Jai srikar");
29         System.out.println(replaceDigit(a, numbertobereplaced, replacingnumber));
30     }
```

Done by D.Jai srikar
1347636

Process finished.



j.java

Saved



```
1 public class Main
2 {
3     public static int binarySearch(int[] M, int left, int right, int n)
4     {
5         if (left > right) {
6             return -1;
7         }
8
9
10        int mid = (left + right) / 2;
11
12        if (n == M[mid]) {
13            return mid;
14        }
15
16        else if (n < M[mid]) {
17            return binarySearch(M, left, mid - 1, n);
18        }
19
20        else {
21            return binarySearch(M, mid + 1, right, n);
22        }
23    }
24
25    public static void main(String[] args)
26    {
27        int[] M = { 2, 5, 6, 8, 9, 10 };
28        int key = 3;
29
30        int left = 0;
31        int right = M.length - 1;
32
33        int index = binarySearch(M, left, right, key);
34
35        System.out.println("Done by D.Jai srikar");
36        if (index != -1) {
37            System.out.println("Element found at index " + index);
38        } else {
39            System.out.println("Element not found in the array");
40        }
41    }
42 }
```



```
Done by D.Jai srikar  
Element not found in the array  
Process finished.
```




j.java



Saved



```
1  import java.util.Arrays;
2
3  public class Main
4
5  private static void sortBinaryArray(int[] inputArray)
6  {
7      int zeroCount = 0;
8
9      System.out.println("Done by D. Jai srikanth");
10     System.out.println("Input Array Before Sorting : "+
11
12
13     for (int n = 0; n < inputArray.length; n++)
14     {
15         if (inputArray[n] == 0)
16         {
17             zeroCount++;
18         }
19     }
20
21
22     for (int n = 0; n < zeroCount; n++)
23     {
24         inputArray[n] = 0;
25     }
26
27
28     for (int n = zeroCount; n < inputArray.length; n++)
29     {
30         inputArray[n] = 1;
31     }
32
33     System.out.println("Input Array After Sorting : "+A
34 }
35
36 public static void main(String[] args)
37 {
38     sortBinaryArray(new int[] {1, 0, 1, 1, 0, 1, 0, 0})
39 }
```



Done by D. Jai srikar

Input Array Before Sorting : [1, 0, 1, 1, 0, 1, 0]

Input Array After Sorting : [0, 0, 0, 0, 1, 1, 1]

Process finished.