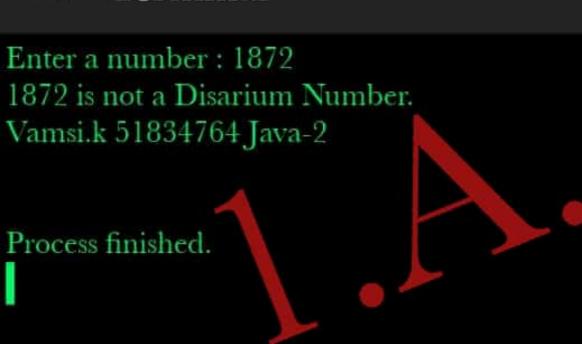
```
title:
  Description:
  tags:
   import java.io.*;
   public class Main
      public static void main(String[] args)throws IOException
           BufferedReader br=new BufferedReader (new InputStreamI
           System.out.print("Enter a number: ");
8
           int n = Integer.parseInt(br.readLine());
9
           int copy = n, a = 0, sum = 0;
           String b = Integer.toString(n);
10
           int len = b.length();
11
12
13
           while(copy>0)
14
15
             a = copy \% 10;
16
             sum = sum + (int)Math.pow(a,len);
17
             len--;
18
             copy = copy / 10;
19
20
21
           if(sum == n){
22
             System.out.println(n+" is a Disarium Number.");
23
24
           else-
25
             System.out.println(n+" is not a Disarium Number.");
26
27
             System.out.println("Vamsi.k 51834764 Java-2");
28
29
```





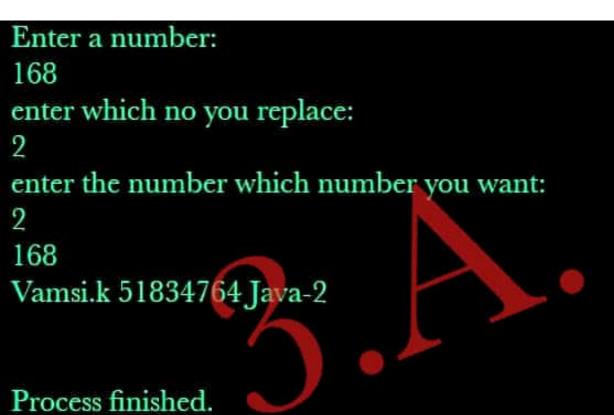


```
import java.util.Arrays;
3
   public class Main
4
5
     private static void sortBinaryArray(int[] inputArray)
6
      int zeroCount = 0;
8
      System.out.println("Input Array Before Sorting: "+Arrays.toString
      for (int n = 0; n \le inputArray.length; <math>n++)
9
10
       if (inputArray[n] = 0)
11
12
13
         zeroCount++;
14
15
      for (int n = 0; n \le zeroCount; n++)
16
17
       inputArray[n] = 0;
18
19
20
      for (int n = zeroCount; n < inputArray.length; n++)
21
22
       inputArray[n] = 1;
23
24
      System.out.println("Input Array After Sorting: "+Arrays.toString(
25
     public static void main(String[] args)
26
27
28
      sortBinaryArray(new int [] {0, 1, 1, 0, 0, 1, 1, 0});
      System.out.println("Vamsi.k 51834764 Java-2");
29
30
31 }
```

Input Array Before Sorting: [0, 1, 1, 0, 0, 1, 1, 0] Input Array After Sorting: [0, 0, 0, 0, 1, 1, 1, 1] Vamsi.k 51834764 Java-2



```
import java.util.*;
    import java.lang.*;
3
   // Java program to replace a digit
   // with other in a given number.
P
   class GFG
6
   static int replaceDigit(int x, int d1,
8
                         int d2)
9
      int result = 0, multiply = 1;
10
11
12
      while (x % 10 > 0)
13
14
         int remainder = x \% 10;
15
         // check whether it is equal
16
         if \langle remainder == d1 \rangle \{
17
            result = result + d2 * multiply;
18
19
         else {// else remain as such
20
            result = result + remainder * multiply;
21
22
         multiply *= 10;
23
         \mathbf{x} = \mathbf{x} / 10; // update the value
24
25
      return result;
26
27 // Driver code
   public static void main(String[] args)
28
29
30
     Scanner sc=new Scanner(System.in);
31
     System.out.println("Enter a number:");
32
      int x =sc.nextInt();
33
     System.out.println("enter which no you replace:");
34
      int d1 =sc.nextInt();
```



```
public class Main
234567
    {
         public static int binarySearch(int \ M, int left, int right, int n)
         {
              if (left > right) {
                    return -1;
8
               int mid = (left + right) / 2;
9
10
              if (n == M[mid]) \{
11
                    return mid;
12
13
              else if (n \le M[mid]) {
14
                    return binarySearch(M, left, mid - 1, n);
15
16
17
               else {
18
                    return binarySearch(M, mid + 1, right, n);
19
20
21
         public static void main(String∏ args)
22
23
24
               \operatorname{int} \prod \mathbf{M} = \{3, 7, 11, 5, 9, 11\};
25
               int key = 4;
26
               int left = 0;
27
               int right = M.length - 1;
28
               int index = binarySearch(M, left, right, key);
29
               if (index != -1) {
30
                    System.out.println("Element found at index " + index
31
               else
                    System.out.println("Element not found in the array");
32
33
34
               System.out.println("Vamsi.k 51834864 Java-2");
35
         }
```

