



lucky1.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 InputStre
7         System.out.println("Author: Ch. Koteswara Rao\nSAP
8         System.out.print("Enter your 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    }
```

x

Terminal



```
Author: Ch. Koteswara Rao
SAP ID:51834554
Enter your number : 365
365 is not a Disarium Number.
```

```
Process finished.
```



VoLTE

LTE



5:54



Terminal



Author: Ch. Koteswara Rao

SAP ID:51834554

Enter your number : 365

365 is not a Disarium Number.

Process finished.





```
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("Ch. Koteswara Rao\nSAP ID:51834554");
10        System.out.println("Input Array Before Sorting : "+Arrays.toString(inputArray));
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 : "+Arrays.toString(inputArray));
34    }
35
36    public static void main(String[] args)
37    {
38        sortBinaryArray(new int[] {1, 0, 1, 1, 0, 1, 0, 0});
39    }
40 }
```





Ch. Koteswara Rao

SAP ID:51834554

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

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

Process finished.

|



```
1 import java.util.*;
2 import java.lang.*;
3 // Java program to replace a digit
4 // with other in a given number.
5 class GFG
6 {
7     static int replaceDigit(int x, int d1,
8                             int d2)
9     {
10         int result = 0, multiply = 1;
11
12         while (x % 10 > 0)
13         {
14             // Take remainder of number
15             // starting from the unit
16             // place digit
17             int remainder = x % 10;
18             // check whether it is equal
19             // to the digit to be replaced.
20             // if yes then replace
21             if (remainder == d1){
22                 result = result + d2 * multiply;
23             }
24             else { // else remain as such
25                 result = result + remainder * multiply;
26             }
27
28             // Update and move forward
29             // from unit place to
30             // hundred place and so on.
31             multiply *= 10;
32             x = x / 10; // update the value
33         }
34         return result;
35     }
36     // Driver code
37     public static void main(String[] args)
38     {
39         Scanner sc=new Scanner(System.in);
40         System.out.println("Enter a number:");
41         int x =sc.nextInt();
42         // which no you replace:");
43         // the number which number you
```





```
15 // Take remainder of number
16 // starting from the unit
17 // place digit
18 int remainder = x % 10;
19 // check whether it is equal
20 // to the digit to be replaced.
21 // if yes then replace
22 if (remainder == d1){
23     result = result + d2 * multiply;
24 }
25 else { // else remain as such
26     result = result + remainder * multiply;
27 }
28 // Update and move forward
29 // from unit place to
30 // hundred place and so on.
31 multiply *= 10;
32 x = x / 10; // update the value
33 }
34 return result;
35 }
36 // Driver code
37 public static void main(String[] args)
38 {
39     Scanner sc=new Scanner(System.in);
40     System.out.println("Enter a number:");
41     int x =sc.nextInt();
42     System.out.println("enter which no you replace:");
43     int d1 =sc.nextInt();
44     System.out.println("enter the number which number you want:");
45     int d2 =sc.nextInt();
46     System.out.println(replaceDigit( x, d1, d2));
47     System.out.println("Ch. Koteswara Rao\n51834554");
48 }
49 }
```



Enter a number:

97531

enter which no you replace:

5

enter the number which number you want:

0

97031

Ch. Koteswara Rao

51834554

Process finished.

|



lucky5.java



Saved

```
1 public class Main
2 {
3     public static int binarySearch(int[] M, int left, int right,
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 = { 1, 4, 7, 8, 9, 10 };
28        int key = 11;
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("Ch. Koteswara Rao\nSAP ID: 51834554");
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 }
```





```
Ch. Koteswara Rao  
SAP ID: 51834554  
Element not found in the array  
  
Process finished.
```

