



disarium.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
7             (new InputStreamReader(System.in));
8         System.out.println("Name:G.vyshnavi,SAP ID:51834743"
9         System.out.print("Enter a number : ");
10        int n = Integer.parseInt(br.readLine());
11        int copy = n, a = 0, sum = 0;
12        String b = Integer.toString(n);
13        int len = b.length();
14
15        while(copy>0)
16        {
17            a = copy % 10;
18            sum = sum + (int)Math.pow(a,len);
19            len--;
20            copy = copy / 10;
21        }
22
23        if(sum == n)
24            System.out.println(n+" is a Disarium Number.");
25        else
26            System.out.println(n+" is not a Disarium Number.");
27    }
28 }
```

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Name:G.vyshnavi,SAP ID:51834743

Enter a number : 25

25 is not a Disarium Number.

Process finished.

binary.java



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```
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("Name:G.vyshnavi,SAP ID:51834743");
10        System.out.println("Input Array Before Sorting : "
11                      +Arrays.toString(inputArray));
12
13
14        for (int n = 0; n < inputArray.length; n++)
15        {
16            if (inputArray[n] == 0)
17            {
18                zeroCount++;
19            }
20        }
21    }
22
23
24    for (int n = 0; n < zeroCount; n++)
25    {
26        inputArray[n] = 0;
27    }
28
29
30
31    for (int n = zeroCount; n < inputArray.length; n++)
32    {
33        inputArray[n] = 1;
34    }
35
36
37 }
```

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binary.java

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```
13  
14  
15     for (int n = 0; n < inputArray.length; n++)  
16     {  
17         if (inputArray[n] == 0)  
18         {  
19             zeroCount++;  
20         }  
21     }  
22  
23  
24     for (int n = 0; n < zeroCount; n++)  
25     {  
26         inputArray[n] = 0;  
27     }  
28  
29  
30  
31     for (int n = zeroCount; n < inputArray.length; n++)  
32     {  
33         inputArray[n] = 1;  
34     }  
35  
36     System.out.println("Input Array After Sorting : "  
37     +Arrays.toString(inputArray));  
38 }  
39  
40     public static void main(String[] args)  
41     {  
42         sortBinaryArray(new int[] {1, 0, 1, 1, 0, 1, 0, 0});  
43     }  
44 }
```

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Name:G.vyshnavi,SAP ID:51834743

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.



replace.java

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```
1 public class Replace
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 = 656689, numbertobereplaced = 6
28         , replacingnumber = 3;
29         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
30         System.out.println(replaceDigit(a, numbertobereplaced,
31             replacingnumber));
32     }
33 }
```



Make public





Name:G.vyshnavi,SAP ID:51834743
353389

Process finished.



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```
1 class Dcoder
2 {
3     public static void main(String args[])
4     {
5         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
6         for(int i=1;i<=5;i++)
7         {
8             for(int j=1;j<=i;j++)
9             {
10                 if(j==5 && j==3)
11                 {
12                     System.out.print("@");
13                 }
14                 else if(j==1 || j==i)
15                 {
16                     System.out.print("1");
17                 }
18                 else
19                 {
20                     System.out.print("O");
21                 }
22             }
23             System.out.println();
24         }
25     }
26 }
```

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Name:G.vyshnavi,SAP ID:51834743

1
11
101
1001
10@01

Process finished.

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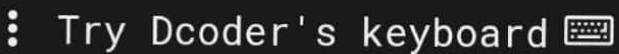
```
1 public class Main
2 {
3     public static int binarySearch(int[] M, int left, int right, int n)
4     {
5         if (left > right) {
6             return -1;
7         }
8
9
10        int mid = (left + right) / 2;
11
12        if (n == M[mid]) {
13            return mid;
14        }
15
16        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
26    public static void main(String[] args)
27    {
28        int[] M = { 2, 5, 6, 8, 9, 10 };
29        int key = 3;
30
31        int left = 0;
32        int right = M.length - 1;
33
34        int index = binarySearch(M, left, right, key);
35
36        System.out.println("Name:G.vyshnavi,SAP ID: 51834740");
37        if (index != -1) {
38            System.out.println("Element found at index " + index);
39        }
40    }
41 }
```

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Vyshu.java  Saved

```
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("Name:G.vyshnavi,SAP ID: 51834743");
36     if (index != -1) {
37         System.out.println("Element found at index "
38             + index);
39     } else {
40         System.out.println("Element not found in the array");
41     }
42 }
43 }
```



x Terminal



Name:G.vyshnavi,SAP ID: 51834743
Element not found in the array

Process finished.