

```
1 import java.util.*;
2 import java.io.*;
3 public class question75
4 {
5     int n;
6     int original_no;
7     boolean flag;
8
9     question75()
10    {
11        flag=false;
12    }
13
14    public void input()
15    {
16        Scanner sc=new Scanner(System.in);
17        System.out.println("Enter number:");
18        n=sc.nextInt();
19        original_no=n;
20    }
21
22    public void calculate()
23    {
24        int digit=0;
25        int no_of_digits=0;
26        int i=no_of_digits;
27        int sum=0;
28
29        do{
30            digit=n%10;
31            no_of_digits=no_of_digits+1;
32            n=n/10;
33        }while(n!=0);
34
35        i=no_of_digits;
36        n=original_no;
37
38        do{
39            digit=n%10;
40            sum=sum+(int)Math.pow(digit,i);
41            n=n/10;
42            i=i-1;
43        }while(n!=0);
44
45        //System.out.println(sum);
46        if(sum==original_no)
47        {
48            flag=true;
49        }
50    }
51
52    public void display()
53    {
54        if(flag==true)
55        {
56            System.out.println("Disarium no");
57        }
58        else
59        {
60            System.out.println("no");
61        }
62    }
63
64    public static void main(String[] args)
65    {
```

```
66 question75 ob=new question75();
67 ob.input();
68 ob.calculate();
69 ob.display();
70 }
71 }
```