

```
1 import java.util.*;
2 import java.io.*;
3 public class question72
4 {
5     int n;
6     boolean flag=false;
7     public void input()
8     {
9         Scanner sc=new Scanner(System.in);
10        System.out.println("Enter number:");
11        n=sc.nextInt();
12    }
13
14    public void calculate()
15    {
16        int sum=0;
17        for(int i=1;i<n;i++)
18        {
19            if(n%i==0)
20            {
21                sum=sum+i;
22            }
23        }
24        if(sum==n)
25        {
26            flag=true;
27        }
28    }
29
30    public void display()
31    {
32        if(flag==true)
33        {
34            System.out.println("Perfect number");
35        }
36        else
37        {
38            System.out.println("Nope");
39        }
40    }
41
42    public static void main(String[] args)
43    {
44        question72 ob=new question72();
45        ob.input();
46        ob.calculate();
47        ob.display();
48    }
49 }
```