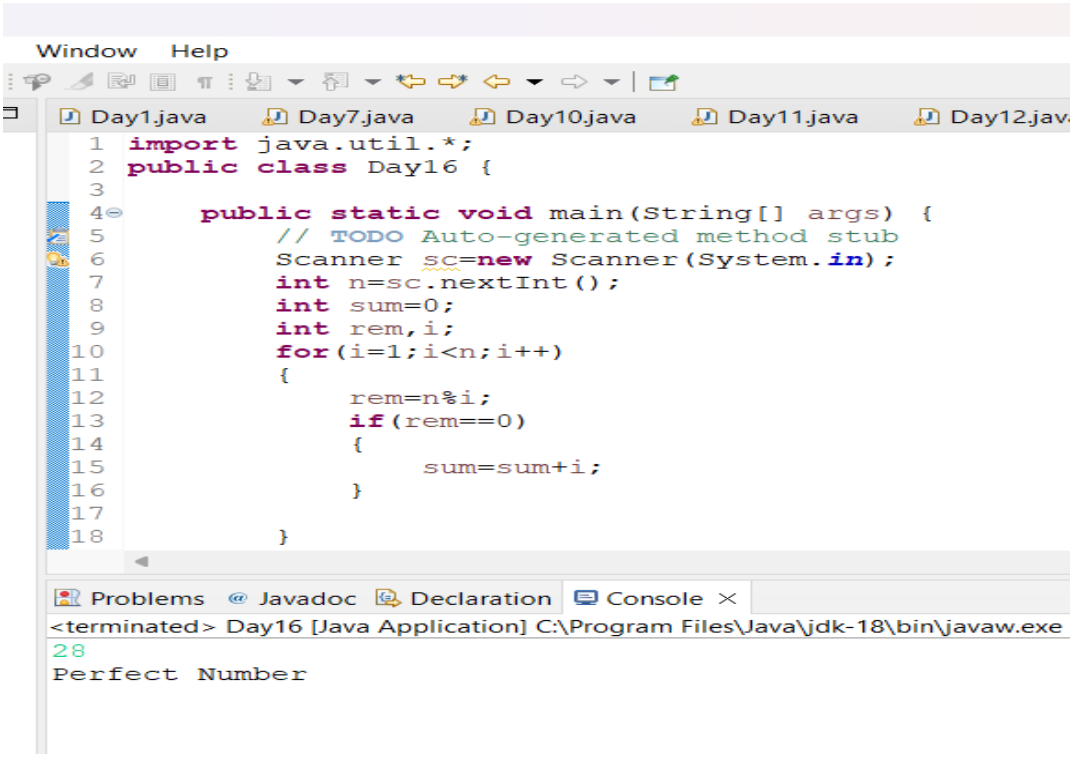
Day 16 coding Statement : Write a program to identify if the number is Perfect number or not

Program:

```
import java.util.*;

public class Day16 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner sc=new Scanner(System.in);
		int n=sc.nextInt();
		int sum=0;
		int rem,i;
		for(i=1;i<n;i++)
		{
			rem=n%i;
			if(rem==0)
			{
				sum=sum+i;
			}

		}
		if(sum==n)
		{
			System.out.println("Perfect Number");
		}
		else
		{
			System.out.println("Not A Perfect Number");
		}

	}

}
```

Output:


Window Help
Day1.java Day7.java Day10.java Day11.java Day12.jav
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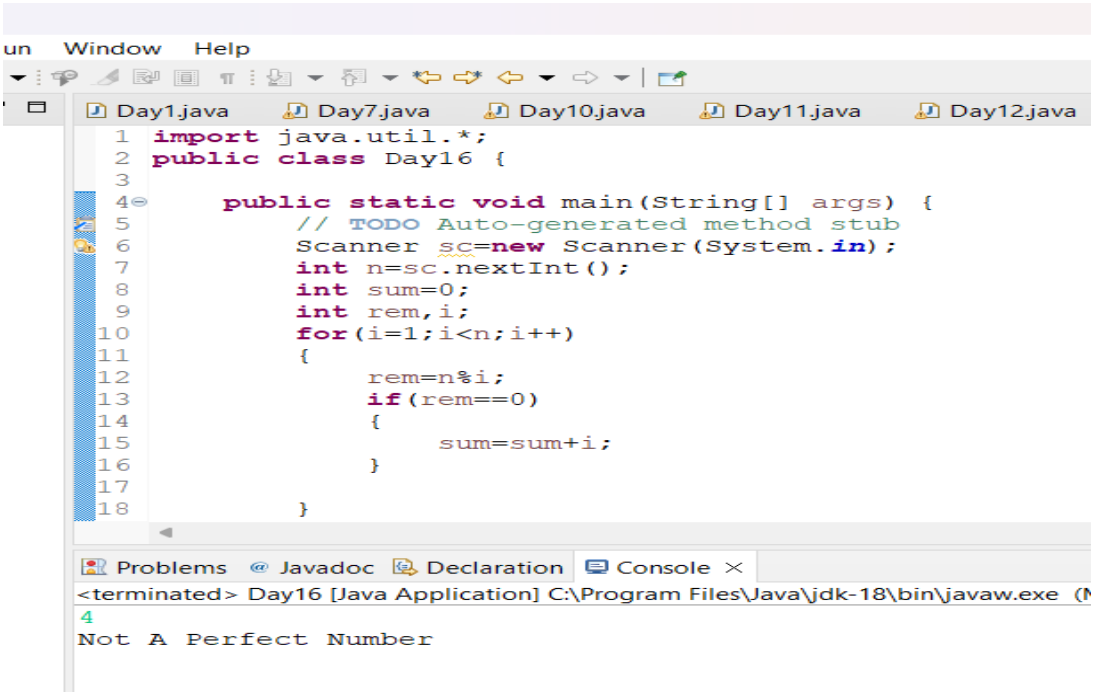
10 for(i=1;i<n;i++)
11 {
12 rem=n%i;
13 if(rem==0)
14 {
15 sum=sum+i;
16 }
17
18 }
Problems Javadoc Declaration Console
<terminated> Day16 [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe
28
Perfect Number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Not A Perfect Number