**3. Given a number N, check if a number is perfect or not. A number is said to be perfect if**

**sum of all its factors excluding the number itself is equal to the number. Now your task to**

**check whether the given number is Perfect number or not.**

**import** java.util.Scanner;

**public** **class** PerfectNumber {

**public** **static** **void** main(String[] args) {

**int** n,i,r,sum=0;

Scanner p=**new** Scanner(System.***in***);

System.***out***.println("Enter the value of n=");

n=p.nextInt();

**for**(i=1;i<=n/2;i=i+1)

{

r=n%i;

**if** (r==0)

{

sum=sum+i;

}

}

**if**(sum==n)

{

System.***out***.println("It is perfect number");

}

**else**

{

System.***out***.println("It is not perfect number");

}

}

}

**OUTPUT:**

**Graphical user interface

Description automatically generated**