1. Write a code to check two accepted numbers are amicable or not.

import java.util.Scanner;

public class Amit

{

public static void main (String args[])

{

int firstDivisorSum = 0, secondDivisorSum = 0, firstNumber, secondNumber;

try (Scanner sc = new Scanner(System.in)) {

System.out.print("Enter the first number: ");

firstNumber = sc.nextInt();

System.out.print("Enter the second number: ");

secondNumber = sc.nextInt();

}

for(int i=1;i<firstNumber;i++)

{

if(firstNumber % i == 0)

{

firstDivisorSum = firstDivisorSum + i;

}

}

for(int i=1;i<secondNumber;i++)

{

if(secondNumber % i == 0)

{

secondDivisorSum = secondDivisorSum + i;

}

}

if((firstNumber == secondDivisorSum) && (secondNumber == firstDivisorSum))

{

System.out.println(firstNumber+", "+ secondNumber +" are amicable numbers.");

}

else

{

System.out.println(firstNumber+", "+ secondNumber +" are not amicable numbers.");

}

}

}