package com.company;  
  
public class Fraction  
{  
 private int integerA;  
 private int integerB;  
  
 public Fraction(int x, int y)  
 {  
 integerA = x;  
 integerB = y;  
 }  
  
 public void setNumerator(int n)  
 {  
 integerA = n;  
 }  
  
 public void display()  
 {  
 System.*out*.print(integerA + "/" + integerB);  
 }  
  
 public boolean equals(Fraction f)  
 {  
 int num1, num2;  
 int num3, num4;  
 int num5 = 1;  
 for (int i = 2; i <= Math.*min*(integerA, integerB); i++)  
 {  
  
 if (integerA % i == 0 && integerB % i == 0)  
 num5 = i;  
 }  
  
 num1 = integerA / num5;  
 num2 = integerB / num5;  
  
 int gcf = 1;  
 for (int i = 2; i <= Math.*min*(f.integerA, f.integerB); i++)  
 {  
  
 if (f.integerA % i == 0 && f.integerB % i == 0)  
 gcf = i;  
 }  
  
 num3 = f.integerA / gcf;  
 num4 = f.integerB / gcf;  
  
 return (num1 == num3 && num2 == num4);  
  
 }  
  
}

package com.company;  
  
import java.util.Scanner;  
public class lab5Runner {  
 public static void main(String[]args){  
 int integerA, integerB;  
 Scanner input = new Scanner(System.*in*);  
 System.*out*.print("Enter Dividend: ");  
 integerA = input.nextInt();  
 System.out.print("Enter Divisor ");  
 integerB = input.nextInt();  
 Fraction f = new Fraction(integerA, integerB);  
 System.out.print("Enter Dividend: ");  
 int A = input.nextInt();  
 System.out.print("Enter Divisor: ");  
 int B = input.nextInt();  
 Fraction F2 = new Fraction(A,B);  
 if (f.equals(F2)) {  
 f.display();  
 System.out.print(" is equal to ");  
 F2.display();  
 }  
 else  
 {  
 f.display();  
 System.out.print(" is not equal to ");  
 F2.display();  
 }  
 }  
}

**Output:**

