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package Lab5Assignment;

import java.util.Scanner;

public class Runner {

public static void main(String[] args){

Scanner input=new Scanner(System.in);

fraction frac=new fraction(500,1000);

int x,y;

System.out.print("Enter the numnenator :");

x=input.nextInt();

System.out.print("Enter the denominator :");

y=input.nextInt();

char choice='y';

while(choice=='y'){

fraction frac1=new fraction();

frac1.set(x,y);

if (frac.equal(frac1))

{

frac.display(true);

}

else {

frac.display(false);

}

System.out.print("Press y to continue or any other key to exit ");

choice=input.next().charAt(0);

if(choice=='y'){

System.out.print("Enter the numnenator :");

x=input.nextInt();

System.out.print("Enter the denominator :");

y=input.nextInt();

}

}

}

}

package Lab5Assignment;

public class fraction {

private int numenator;

private int denominator;

fraction(int numenator,int denominator){

this.numenator=numenator;

this.denominator=denominator;

}

public fraction(){

}

public void display(boolean a){

if (a==true){

System.out.println("The ratio of the two fractions is equal ");

}

else {

System.out.println("The ratio of the two fractions is not equal ");

}

}

public boolean equal(fraction f){

if ((float)this.numenator/this.denominator==(float)f.getnum()/f.getdenm()){

return true;

}

else{

return false;

}

}

public void set(int x,int y) {

numenator=x;

denominator=y;

}

public int getnum(){

return numenator;

}

public int getdenm(){

return denominator;

}

}