

J lab6a.java 9+ X

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lab6a.java > ધ lab6a > 🗘 add()
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import java.lang.Math;
         public class lab6a
         // one rational number will be input as aquot:num1/den18quot; and the other as
        int num1, num2, den1, den2;
int num_result, den_result;
         public lab6a(int num1, int num2, int den1, int den2){
         this.num1 = num1;
         this.num2 = num2;
         this.den1 = den1;
         this.den2 = den2;
          Idd two rational numbers and return the result in the same format apport num/demEquot;
         public String add(){
         1f (den1 = den2)
         num_result = num1 + num2;
         den_result = den1;
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        num_result = (num1*den2) + (num2*den1);
den_result = den1*den2;
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         return num_result+&guot;/&guot;+den_result;
         "num/dem"
         public String subtract(){
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         17 (den1 = den2)(
         num_result = num1 - num2;
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         den_result = den1;
         num_result = (num1*den2) - (num2*den1);
         den_result = den1*den2;
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         return num_result+"/"+den_result;
         "num/dem"
         public String multiply()
        num_result = num1*num2;
den_result = den1*den2;
         return num_result+&guot;/&guot;+den_result;
         "num/dem"
         public String divide(){
         17 (den2 = 0)
         throw new ArithmeticException(Aguot;Divide by zero&guot;);
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         num_result = num1*den2;
         den_result = den1*num2;
         return num_result+&guot;/&guot;+den_result;
         "num/dem"
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         public String compare()
         1= (num1/den1 == num2/den2)(
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         return "Both numbers are equal";
         else If (num1/den1 > num2/den2){
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         return "First number is greater";
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         return "Second number is greater";
         // convert both rational numbers to floating point and return the result
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         public String convert(){
         return Equot; [ijes number in floating point: Equot;+(float)num1/den1+Equot; Second number in floating point: Equot;+(float)num2/den2;
         public String absolute()
         return " Absolute value of first number: " +Math.abs(num1/den1) +&guot;
         Absolute value of second number: " +Math.abs(num2/den2);
```