Class mixedNumbers - mixedNumbers

```
1  import java.util.Scanner;
2
3  public class mixedNumbers {
4
5
6      public static int wholeNumber(int numerator, int denominator)
7      {
8      int wholeNumber = numerator/denominator;
9      return wholeNumber;
10     }
11
12
13     private static int remainder(int numerator, int denominator)
14     {
15     int remainder = numerator%denominator;
16     return remainder;
17     }
18
19
20     public static int commonDenominator(int numerator, int denominator)
21     {
22     int common = 1;
23      for(int i=2;i<=numerator;i++){
24         if (numerator%i==0 && denominator%i==0){
25             common=i;
26         }
27      }
28     return common;
29     }
30
31
32     public static void main(String[] args)
33     {
34         int denominator;
35         int numerator;
36         int a;
37         int b;
38         int c;
39         int cd;
40
41         // numerator/denominator = a (b/cd)/(c/cd)
42
43         Scanner scan = new Scanner(System.in);
44
45         System.out.print("Enter your numerator. ");
46         numerator = scan.nextInt();
47
48         System.out.print("Enter your denominator. ");
49         denominator = scan.nextInt();
```

```
50
51          System.out.println(numerator + "/" + denominator);
52
53          a=wholeNumber(numerator,denominator);
54
55          b=remainder(numerator,denominator);
56
57          c=denominator;
58
59          cd=commonDenominator(b,c);
60
61          System.out.println(numerator + "/" + denominator+" = "+a +" "+b/c
    d+"/"+c/cd);
62
63      }
64  }
```