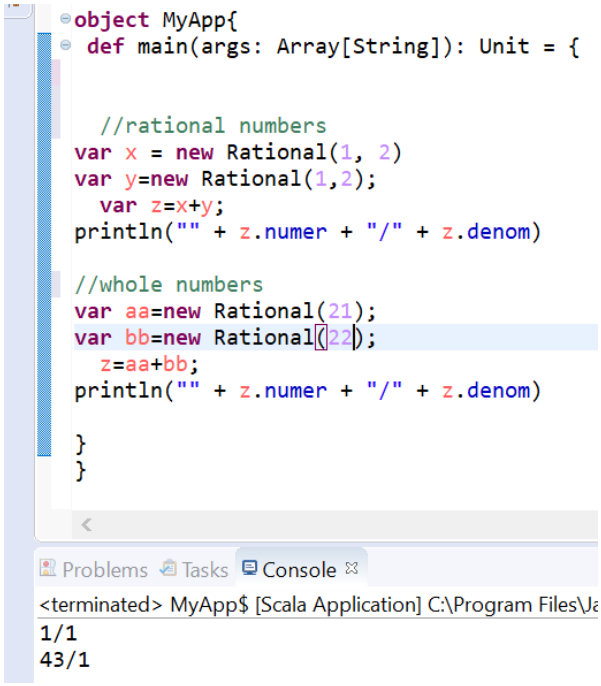
Task : Calculator to work with Rational Numbers

```
class Rational(n: Int, d: Int) {

 def this(x: Int) = this(x, 1)
private def gcd(x: Int, y: Int): Int = {
if (x == 0) y
else if (x < 0) gcd(-x, y)
else if (y < 0) -gcd(x, -y)
else gcd(y % x, x)
}
private val g = gcd(n, d)
val numer: Int = n/g
val denom: Int = d/g
def +(that: Rational) =
new Rational(numer * that.denom + that.numer * denom,
denom * that.denom)
def -(that: Rational) =
new Rational(numer * that.denom - that.numer * denom,
denom * that.denom)
def *(that: Rational) =
new Rational(numer * that.numer, denom * that.denom)
def /(that: Rational) =
new Rational(numer * that.denom, denom * that.numer)
}

object MyApp{
 def main(args: Array[String]): Unit = {


  //rational numbers
var x = new Rational(1, 2)
var y=new Rational(1,2);
  var z=x+y;
println("" + z.numer + "/" + z.denom)

//whole numbers
var aa=new Rational(21);
var bb=new Rational(22);
  z=aa+bb;
println("" + z.numer + "/" + z.denom)

}
}
```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Problems
Tasks
Console
<terminated> MyApp$ [Scala Application] C:\Program Files\Ja
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