

This is part 1 of the Scala “tutorial”:

```
class RationalNumber(numerator: Int, denominator: Int)
{
  private def num() = numerator
  private def den() = denominator

  override def toString =
    num + "/" + den

  def gcd (one: Int, two: Int): Int = {
    if (one==0) two
    else gcd(two, one%two)
  }

  def setNum: Int = {
    num/gcd(num, den)
  }
  def setDen: Int = {
    den/gcd(num, den)
  }
}
```