

CMPSC 100

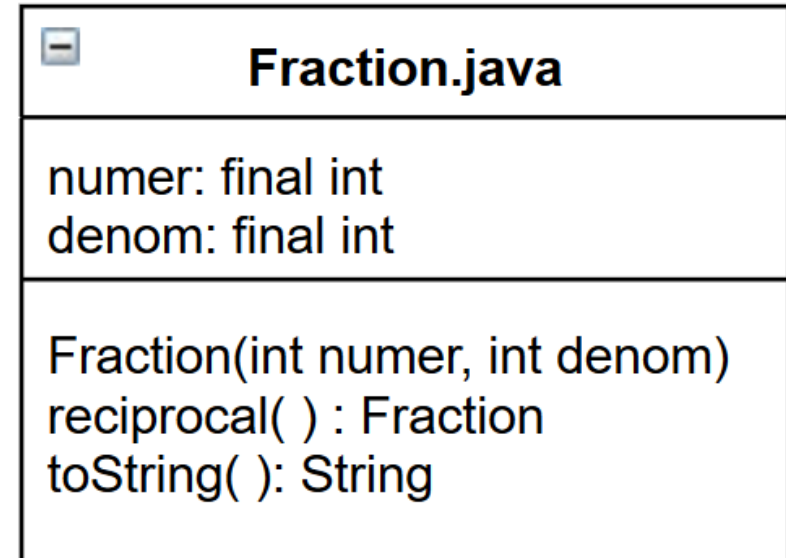
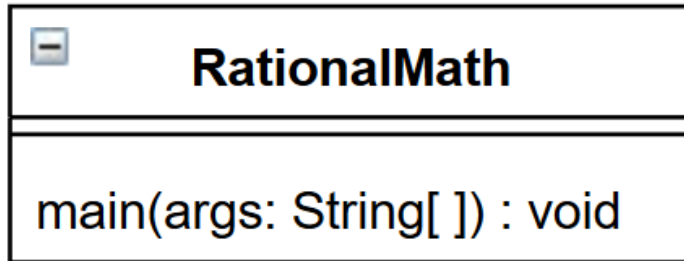
Computational Expression

As a general rule, $4/3$ programming languages do not understand fractions.

For today's activities

- Locate your “class-activities” repository.
- Perform a `git pull download master`
- `cd` to the `9-october` folder:
 - `src/main/java/fractions/Fraction.java`
 - `src/main/java/fractions/RationalMath.java`
- Open `Fraction.java` in your text editor.

Fractions inside of fractions?!



```
public Fraction(int numer, int denom) {  
    this.numer = numer;  
    this.denom = denom;  
}
```

```
public Fraction reciprocal(){  
    Fraction inverse = new Fraction(this.denom, this.numer);  
    return inverse;  
}
```

```
public String toString(){  
    String fraction = this.numer + "/" + this.denom;  
    return fraction;  
}
```


Run using `gradle -q --console plain run`

```
public static Fraction getProduct(Fraction f1, Fraction f2) {  
    int newNumerator = f1.numer * f2.numer;  
    int newDenom = f1.denom * f2.denom;  
    Fraction product = new Fraction(newNumerator,newDenom);  
    return product;  
}
```

