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Report for Assignment 08

Problem)

It was demanded to implement Fraction and FractionOperation classes using Java Generics.

Solution)

On Fraction class I implemented the provided methods and for the FractionOperation I implemented all the methods declared by the Arithmetic interface using Java Generics. Actually I had a huge problem implementing it and didn't understand the procedure at all. I've tried a lot of times but the code don't actually works and I don't get exactly why but I implemented what I suppose it is what was right.

I used as a base the SimpleFractionOperation class, as instructed for the assignment, and used if (object instanceof Fraction) so I could call the methods from the Fraction class and kept calling add, mul, sub and div methods from the FractionOperation class for doing the operations. Another solution would be to work with double/int/float types but I believe that casts were not allowed.

Conclusion)

I understand that Java Generics are pretty important and a great way to prevent compile errors involving types, it is also great when you don't know exactly what to expect and wants to implement only one code for every type.