### Applying Key Methods in the Mono Class: Case Study ex1

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#### Learning Objectives in this Part of the Lesson

 Recognize key operators in the Mono class & know how they are applied in a detailed case study

```
Class Mono<T>
iava.lang.Object
    reactor.core.publisher.Mono<T>
Type Parameters:
T - the type of the single value of this class
All Implemented Interfaces:
Publisher<T>, CorePublisher<T>
Direct Known Subclasses:
MonoOperator, MonoProcessor
public abstract class Mono<T>
extends Object
implements CorePublisher<T>
A Reactive Streams Publisher with basic rx operators that completes successfully by
emitting an element, or with an error.
The recommended way to learn about the Mono API and discover new operators is through
```

the reference documentation, rather than through this javadoc (as opposed to learning more about individual operators). See the "which operator do I need?" appendix.

See projectreactor.io/docs/core/release/api/reactor/core/publisher/Mono.html

### Learning Objectives in this Part of the Lesson

- Recognize key operators in the Mono class & know how they are applied in a detailed case study
  - Case study ex1 shows how to apply the just(), fromCallable(),

operators to create, reduce, transform, and display a Big Fraction synchronously

map(), doOnSuccess(), & then()

.fromCallable(() -> BigFraction

return Mono

.reduce(sUnreducedFrac)) .doOnSuccess(bf ->

logBigFraction

(sUnreducedFrac, bf, sb))

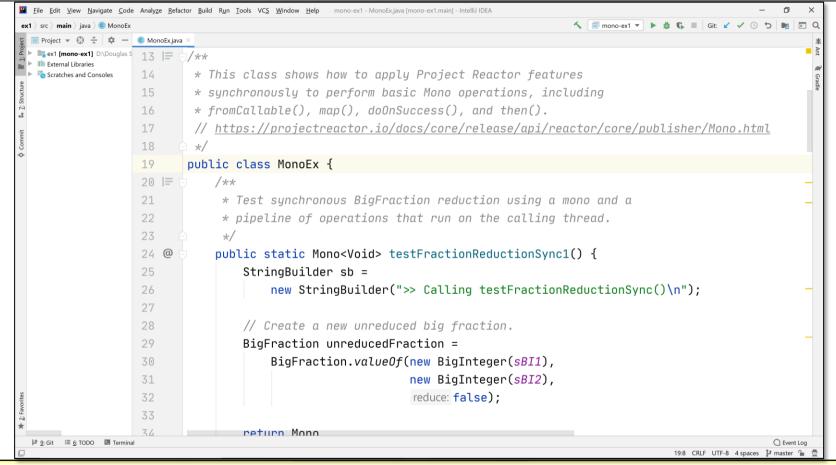
.map (BigFraction::toMixedString) .doOnSuccess(bf -> displayMixedBigFraction(bf,

.then();

sb))

## Applying Key Methods in the Mono Class to ex1

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See github.com/douglascraigschmidt/LiveLessons/tree/master/Reactive/mono/ex1

# End of Applying Key Methods in the Mono Class: Case Study ex1