Applying Key Operators in the Flux Class: Case Study ex3 (Part 2)

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Learning Objectives in this Part of the Lesson

 Part 2 of case study ex3 explores return Flux .generate(bigFractionEmitter) the use of Flux operators filter(), generate(), flatMap(), fromIterable(), .take(sMAX FRACTIONS)

reduce(), collect(), & the parallel thread pool to create, reduce, multiply, & display BigFraction objects asynchronously in a parallel thread pool

.flatMap(unreducedFraction -> reduceAndMultiplyFraction (unreducedFraction, Schedulers

.collect(toList()) .flatMap(list -> BigFractionUtils .sortAndPrintList(list,

.parallel()))

sb));

See github.com/douglascraigschmidt/LiveLessons/tree/master/Reactive/flux/ex3

Learning Objectives in this Part of the Lesson

 Part 2 of case study ex3 explores return Mono .fromCallable(() -> BigFraction the use of Flux operators filter(), . reduce (unreducedFrac)) generate(), flatMap(), fromIterable(),

reduce(), collect(), & the parallel thread pool to create, reduce, multiply, & display BigFraction objects

pool

 It also shows the use of Mono. operators like doOnNext(), map(), firstWithSignal(), subscribeOn(), flatMap(), fromCallable(), &

then()

asynchronously in a parallel thread

.subscribeOn(scheduler)

.doOnNext(result -> logBigFractionResult (unreducedFrac,

.multiply

sBigReducedFraction, result, sb)) .map(reducedFraction ->

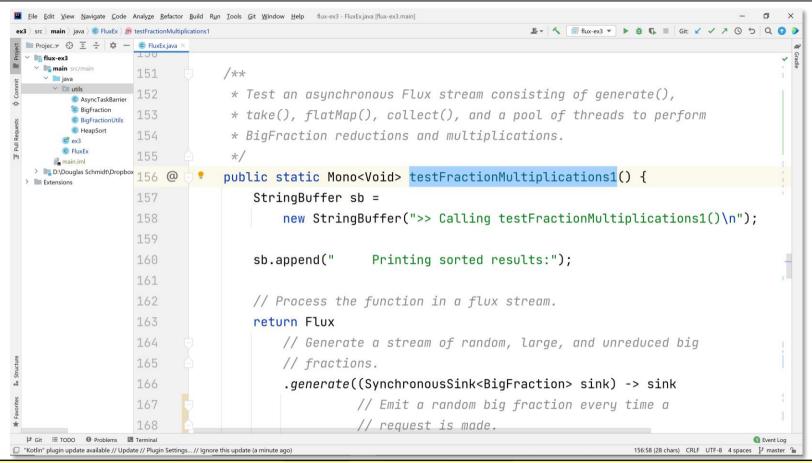
reducedFraction

(sBigReducedFraction));

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Applying Key Operators in the Flux Class to ex3

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See github.com/douglascraigschmidt/LiveLessons/tree/master/Reactive/flux/ex3

End of Applying Key Methods in the Flux Class: Case Study ex3 (Part 2)