Formation Java 8 Introduction

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Tour d'horizon

Méthode par défaut

```
interface MyInterface {
    default void myMethod() {
        throw new RuntimeException("not yet implemented");
    }
}
```

Expression Lambda

pizza -> pizza.getPrice()

Référence de méthode

Pizza::getPrice

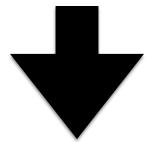
Fonctions du JDK

package java.util.function;

🔤 util concurrent **I**function 📭 🖆 BiConsumer 📭 🖆 BiFunction 📭 🖆 BinaryOperator 📭 🖆 BiPredicate BooleanSupplier Consumer DoubleBinaryOperator DoubleConsumer DoubleFunction DoublePredicate DoubleSupplier DoubleToIntFunction DoubleToLongFunction DoubleUnaryOperator 📭 🖆 Function 📭 🖆 IntBinaryOperator 📭 🖆 IntConsumer 📭 🖆 IntFunction

Pattern Optional

NullPointerException



Optional<T>

API Stream

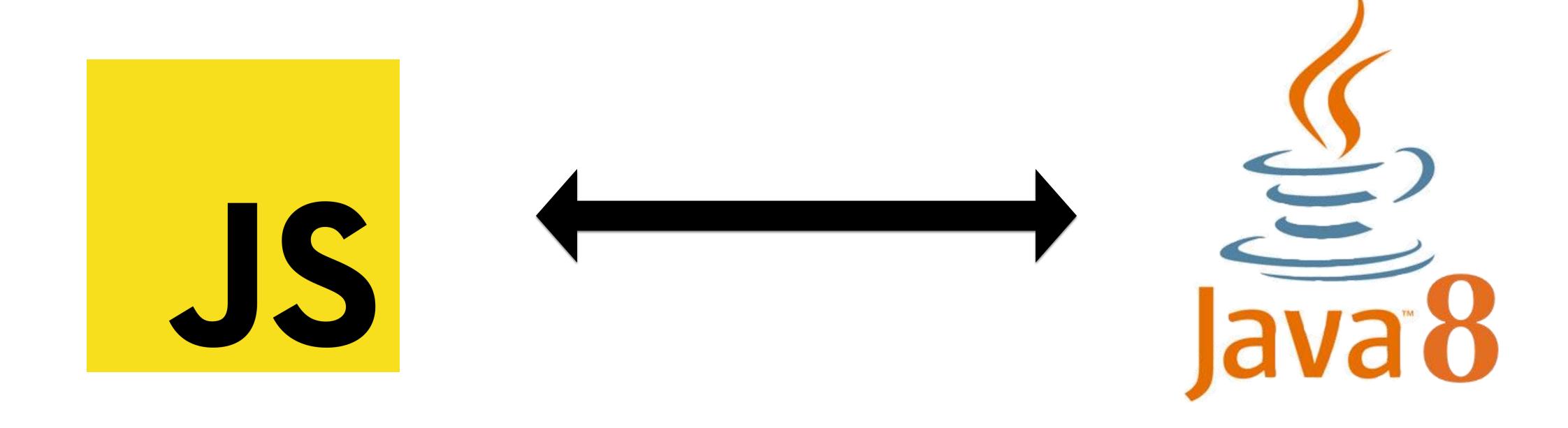
```
listeCommandes.stream()
    .filter(x -> x.numero.startsWith("201705"))
    .map(x -> x.montant*0.2)
    .sorted()
    .collect(Collectors.toList());
```

Date & Time API

java.util.Date java.util.Calendar

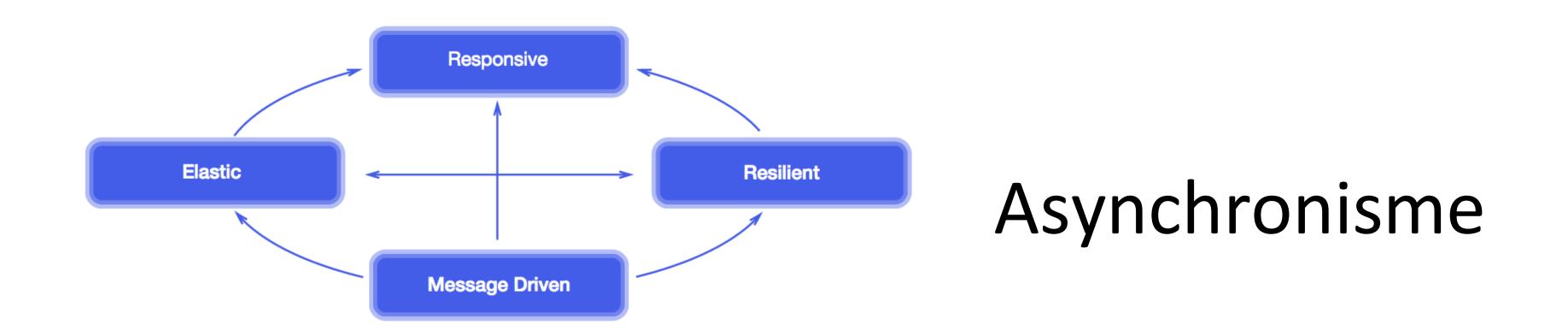
java.time.LocalDate java.time.LocalTime java.time.LocalDateTime java.time.Instant java.time.Period java.time.Duration

Nashorn



Au delà de Java 8

Programmation Réactive



Ecosystème