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Lesson 2-3: Streams of Objects and Primitive Types

Objects And Primitives

Summary

- The Java language is not truly object oriented
- Primitive types are included
 - byte, short, int, long, double, float, char
- For some situations these are wrapped as objects
 - E.g. storage in collections
 - Byte, Short, Integer, etc.
- Conversion between primitive and object representation is often handled by auto-boxing and unboxing

Object Streams

- By default, a stream produces elements that are objects
- Sometimes, this is not the best solution

Primitive Streams

- To avoid a lot of unnecessary object creation and work we have three primitive stream types
 - IntStream, DoubleStream, LongStream
- These can be used with certain stream operations

Section 3

Summary

- Java has primitive values as well as object types
- To improve stream efficiency we have three primitive stream types
 - IntStream, DoubleStream, LongStream
- Use methods like mapToInt(), mapToDouble(), mapToLong()

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