Walkthrough of the Java StructuredTaskScope Code

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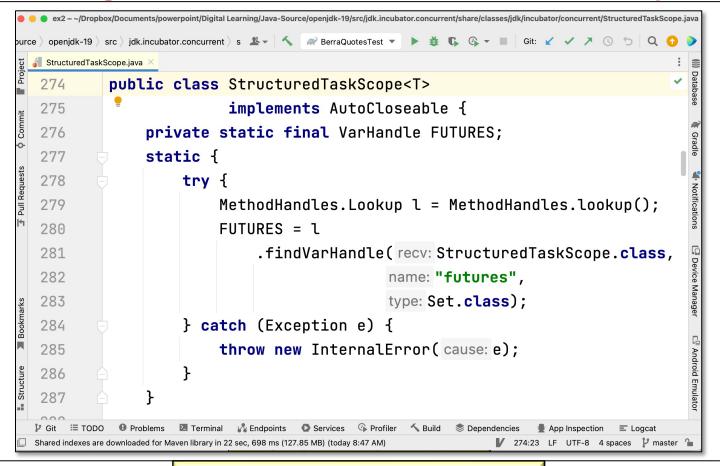
Learning Objectives in this Part of the Lesson

- Understand Java's structured concurrency model
- Recognize the classes used to program Java's structure concurrency model
- Evaluate the design & performance of various Java concurrency models
- Learn how StructuredTaskScope is implemented
 - Focus on StructuredTaskScope

```
public class StructuredTaskScope<T>
             implements AutoCloseable {
   private static final VarHandle FUTURES;
   static {
        try {
            MethodHandles.Lookup l = MethodHandles.lookup();
            FUTURES = 1
                .findVarHandle(recv: StructuredTaskScope.class,
                               name: "futures",
                               type: Set.class);
        } catch (Exception e) {
            throw new InternalError(cause: e);
   private final ThreadFactory factory;
   private final ThreadFlock flock;
   private final ReentrantLock shutdownLock =
        new ReentrantLock();
```

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End of Walkthrough of Java StructuredTaskScope Code