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
Walkthrough of the Java StructuredTaskScope Code
public class StructuredTaskScope<T> implements AutoCloseable {

    private static final VarHandle FUTURES;

    static {
        try {
            MethodHandles.Lookup l = MethodHandles.lookup();
            FUTURES = l
                .findVarHandle(StructuredTaskScope.class, "futures",
                               type: Set.class);
        } catch (Exception e) {
            throw new InternalError(cause: e);
        }
    }

    See [jdk.java.net/java-se-ri/19](http://jdk.java.net/java-se-ri/19)
End of Walkthrough of Java StructuredTaskScope Code