The Java Executor Framework:

Introduction

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Learning Objectives in this Part of the Lesson

- Understand the purpose of the Java executor framework

See [docs.oracle.com/javase/tutorial/essential/concurrency/executors.html](docs.oracle.com/javase/tutorial/essential/concurrency/executors.html)
Overview of the Java Executor Framework
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- Java’s executor framework provides many classes & interfaces

Decouples thread creation & management from the rest of the app logic
Overview of The Java Executor Framework

- The Executors utility class provides access to key capabilities in the Java executor framework.

See [docs.oracle.com/javase/8/docs/api/java/util/concurrent/Executors.html](docs.oracle.com/javase/8/docs/api/java/util/concurrent/Executors.html)
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See [en.wikipedia.org/wiki(Thread_pool_pattern)](en.wikipedia.org/wiki(Thread_pool_pattern))
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  • Its factory methods create various types of thread pools
• A thread pool can execute one-way or two-way tasks concurrently on multiple processor cores
  • A task is a logical unit of work that (ideally) doesn't depend on the state, result, or side effects of other tasks

End of the Java Executor Framework: Introduction