Evaluating the Pros & Cons of TimedMemoizer

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Learning Objectives in this Part of the Lesson

- Learn how to create a TimedMemoizer that applies ScheduledExecutorService to remove stale entries
- Know how to implement the TimeMemoizer class
- Evaluate the pros & cons of the TimedMemoizer class

Evaluating the TimedMemoizer Class

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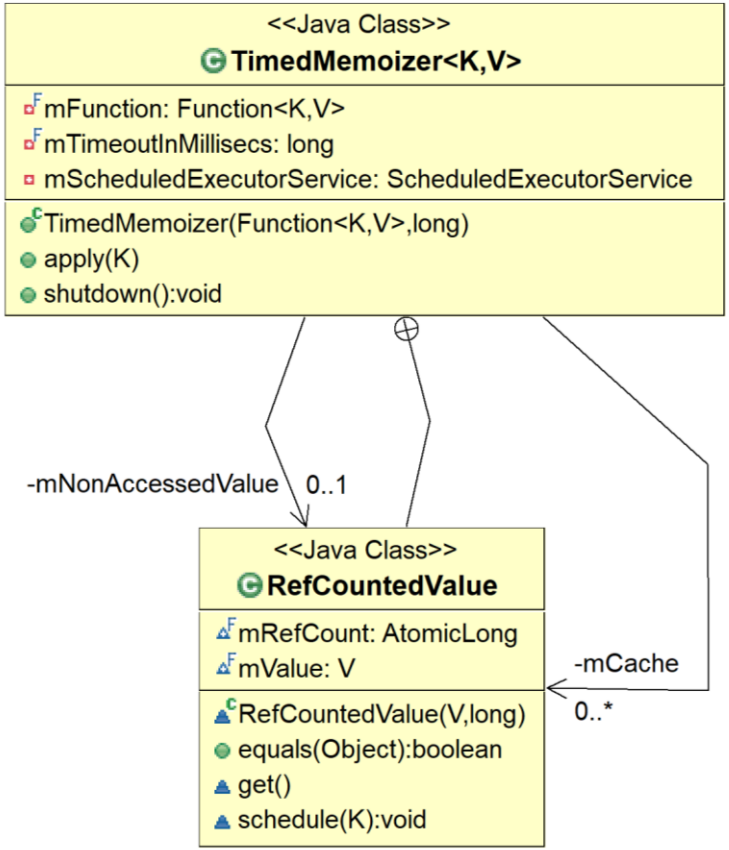
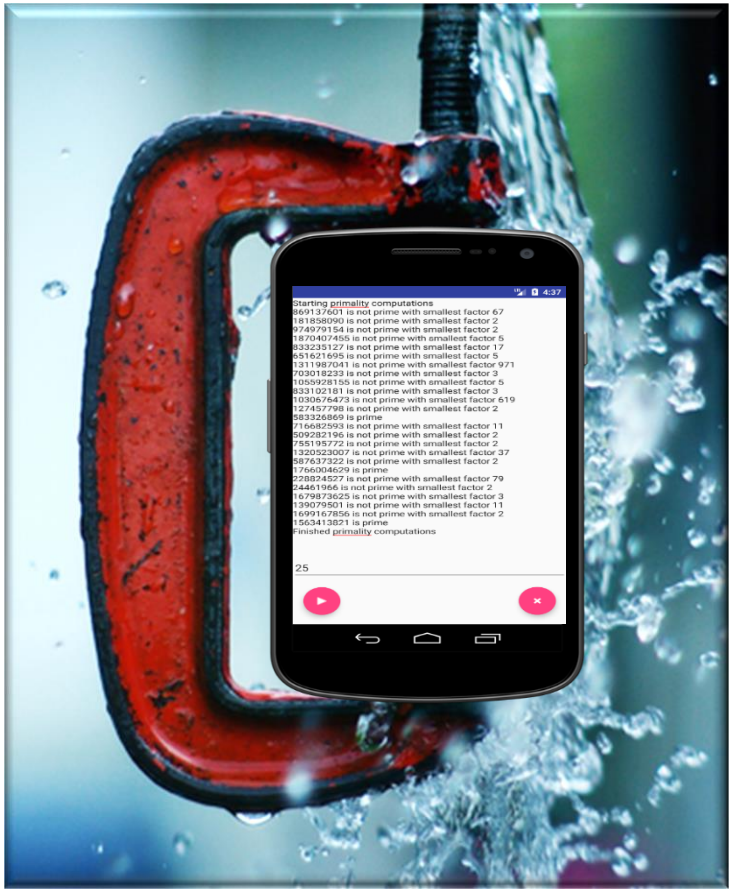
- If a TimedMemoizer is used over time the ScheduledExecutorService will clean it up periodically



This cleanup keeps memory usage from expanding indefinitely

Evaluating the TimedMemoizer Class

- However, there is a limitation



Evaluating the TimedMemoizer Class

- However, there is a limitation
  - TimedMemoizer creates a runnable for each key it passes to the Scheduled ExecutorService, which does not scale well

We'll fix this problem in the upcoming lesson on "*Implementing TimedMemoizerEx*"

End of Evaluating the Pros & Cons of TimedMemoizer