

java.lang

Interface Runnable

All Known Subinterfaces:

[RunnableFuture<V>](#), [RunnableScheduledFuture<V>](#)

All Known Implementing Classes:

[AsyncBoxView.ChildState](#), [ForkJoinWorkerThread](#), [FutureTask](#), [RenderableImageProducer](#), [SwingWorker](#), [Thread](#), [TimerTask](#)

public interface **Runnable**

The `Runnable` interface should be implemented by any class whose instances are intended to be executed by a thread. The class must define a method of no arguments called `run`.

This interface is designed to provide a common protocol for objects that wish to execute code while they are active. For example, `Runnable` is implemented by class `Thread`. Being active simply means that a thread has been started and has not yet been stopped.

In addition, `Runnable` provides the means for a class to be active while not subclassing `Thread`. A class that implements `Runnable` can run without subclassing `Thread` by instantiating a `Thread` instance and passing itself in as the target. In most cases, the `Runnable` interface should be used if you are only planning to override the `run()` method and no other `Thread` methods. This is important because classes should not be subclassed unless the programmer intends on modifying or enhancing the fundamental behavior of the class.

Since:

JDK1.0

See Also:

[Thread](#), [Callable](#)

Method Summary

Methods	
Modifier and Type	Method and Description
void	<code>run()</code> When an object implementing interface <code>Runnable</code> is used to create a thread, starting the thread causes the object's <code>run</code> method to be called in that separately executing thread.

Method Detail

<code>run</code>
<code>void run()</code> When an object implementing interface <code>Runnable</code> is used to create a thread, starting the thread causes the object's <code>run</code> method to be called in that separately executing thread. The general contract of the method <code>run</code> is that it may take any action whatsoever. See Also:

```
Thread.run()
```

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Submit a bug or feature

For further API reference and developer documentation, see [Java SE Documentation](#). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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