

CS681 HomeWork 7
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Describe the modified program's result and explain why the result look like that (why it is different from the result of the original HelloWorld2).

Difference in output -

While using start() 'Hello World' and 'Goodbye World' were printed asynchronously 10 times each.

After using run() 'Hello World' and 'Goodbye World' were printed synchronously. First 'Hello World' 10 times and then 'Goodbye World' 10 times.

Reason -

Thread.start() calls the run() method asynchronously by JVM which changes the state of new Thread to Runnable. But Thread.run() does not create any new thread. Instead it execute the run method in the current running thread (main thread) synchronously.