

Lab 05 Threads Runnable Interface

This assignment must use the runnable interface to implements threads that represent singers. The singer's singing will be simulated by displaying the each line of the songs lyrics.

The project must have the following components:

package threadRunnableInterfacePackage

SingersClass.java

SongLyricsClass.java

ThreadRunnableInterfaceMainClass.java

In the SingersClass.java:

Implement the run() method that represents each singer.

In this method design a loop that the singer uses to sing the song.

Create a class for the song lyrics.

SongLyricsClass.java

Have a Sting array that has the song's lyrics.

Have an accessor synchronized get method to get each line of the song array by requesting the line no.

Have an accessor get method to get the total number of lines in the song.

You must include a couple of stanzas of your favorite song lyrics that you choose.

ThreadRunnableInterfaceMainClass.java:

Use spate 6 singers to test the program.

In a loop, have each singer start singing.

Display a message when the loop is done.

Display a message when the main program is done.

For a reference solution to help you with the program development, see the jpeg files.