

CONCURRENCY

Your task is to print out the multiplication tables for the numbers 4, 5, 6 and 7 using threads. From your main thread create four threads that print out the multiplication tables respectively.

For the first thread's task, extend from the Thread class.

For the second thread, use an anonymous subclass of Thread.

For the third thread, implement the Runnable interface.

For the fourth thread, use an anonymous implementation of Runnable.

Execute all the threads together. Make sure that each printed line output also includes the name of the thread printing that line.

b) Your results will not have any sequence in terms of which thread executes at what time for the above exercise. So all your multiplication tables will be mixed up with each other in the output. Use the sleep() method for your threads to try and print the tables sequentially in your output (the whole multiplication table for 4 prints out first and then the table for 5 is printed and then for 6 and so on.)

Read this article series for understanding Concurrency in JAVA in more depth.

<https://howtodoinjava.com/java-concurrency-tutorial/>