

Week 11 (11/5/2023) batch2 java lab QP

- Create a task that sleeps for a random amount of time between 1 and 10 seconds, then displays its sleep time and exits.
- Create a task that produces a sequence of n Fibonacci numbers, where n is provided to the constructor of the task. Create a number of these tasks and drive those using threads. (Note: use join() method of Thread class)
- Write a Java program that counts the words in one or more files. Start a new thread for each file. For example, java countwords file1 file2.txt then the program should print
file1.txt : 445
file2.txt: 1052
- Write a program to create two threads, one thread will write the text in a file and another will read the same from the file. Synchronize the above two threads using appropriate methods.