

Problem Set 7

(10 Points) Cohort Question 1:

Name your solution: MyCyclicBarrierAnswer.java

(10 Points) Cohort Question 2:

Name your solution: CountdownLatchExercise.java

(10 Points) Cohort Question 3:

Name your solution: phaserStateMachine.jpg

(10 Points) Cohort Question 4:

Name your solution: BoundedBufferTest.java

(10 Points) Cohort Question 5:

Name your solution: TimedTestSyncMap.java and TimedTestConcMap.java;

(20 Points) Homework Question 1:

Write a program to simulate the following. During exam, the examiner (a thread) who waits patiently for a known number of students (one thread for each student) to get ready; the exam starts when all students are ready, and it starts at the same time for all. Afterwards, the examiner patiently waits for all students to hand in their scripts. Students are free to leave once they hand in the exam. Once the last student hands in the exam, the examiner stops waiting and leaves with the scripts. Choose the right synchronizer to simplify your task.

Name your solution: ExamExample.java