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Philosophers.java
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/****************************
      filename: Philosophers.java
    description: This is the philosophers thread that implements the dining
                  philosophers monitor.
        author: Paladino, Zac
      login id: cps346-n1.16
         class: CPS 346
     instructor: Perugini
     assignment: PJ #3
      assigned: March 11, 2009
           due: April 15, 2009
class Philosophers implements Runnable {
     int id;
    DiningPhilosophersMonitor Monitor;
    private static final int NAP_TIME = 5;
     Philosophers (int nid, DiningPhilosophersMonitor M) {
         this.id = nid;
         this.Monitor = M;
    public void run() {
         System.out.println("Philosopher" + id + "just started.");
         while(true) {
             Monitor.pickupForks(id);
             Monitor.releaseForks(id);
             nap();
    private void eat(){
         System.out.println("Philosopher" + id + "just ate.");
     static void nap() {
        nap(NAP_TIME);
     static void nap(int duration) {
        int sleeptime = (int) (duration * Math.random() );
        try { Thread.sleep(sleeptime*1000); } catch (InterruptedException ie) {
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