```
/*****************************************************************************
/
/       filename:  Worker.java
/
/    description:  This is the worker thread.
/
/         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 Worker implements Runnable {

    int id;
    Barrier wall;

    Worker (int id, Barrier wall) {
        this.id = id;
        this.wall = wall;
    }

    public void run() {
        work();
    }

    void work() {
        // do some work for a while
        initialWork();
        System.out.println ("Worker " + id + " has finished its initial work.");

        System.out.println ("Worker " + id + " is waiting for the pack.");

        // now wait for others
        wall.waitForOthers();

        // now do some more work
        remainderWork();
    }

    void initialWork() {
        System.out.println ("Worker " + id + " is doing its initial work.");
    }

    void remainderWork() {
        System.out.println ("Worker " + id + " is doing its remainder work.");
    }
}
```