CSSE 220

More with Threads

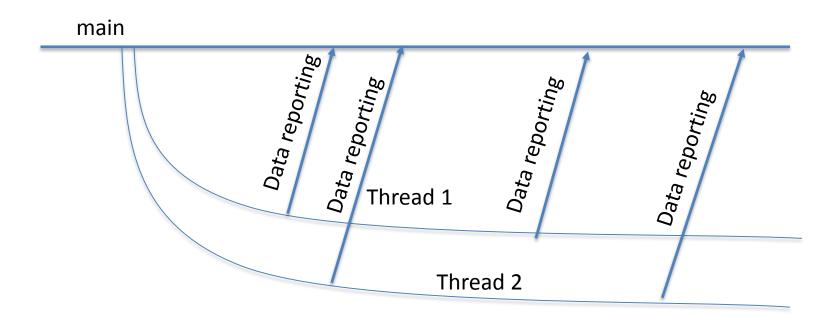
Checkout TemperatureMonitor project from SVN

Things we've seen

- To use Threads in Java we must
 - Have a class that implements Runnable
 - Create a new Thread, pass an instance of the Runnable class and call the start() method on the new Thread.
- The many uses of threads
- Maybe a little where threads go wrong

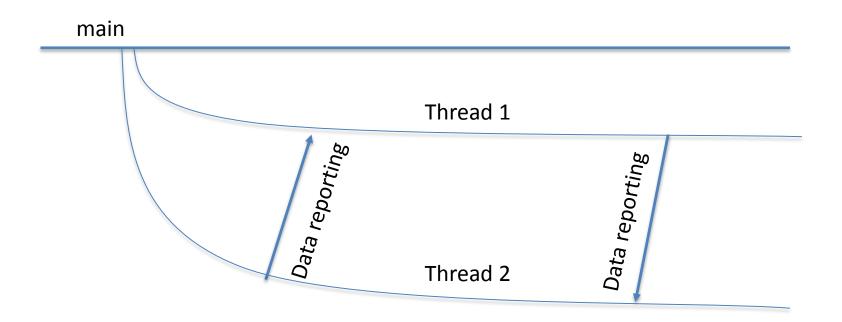
What about?

• What about when many threads need to get data back to one source?



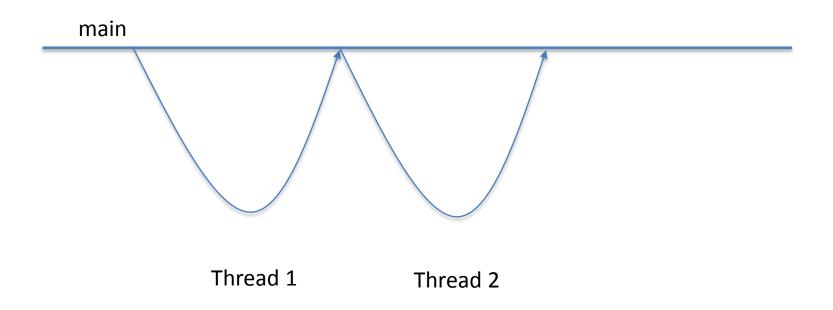
What about?

 What about when threads need to share data between each other?



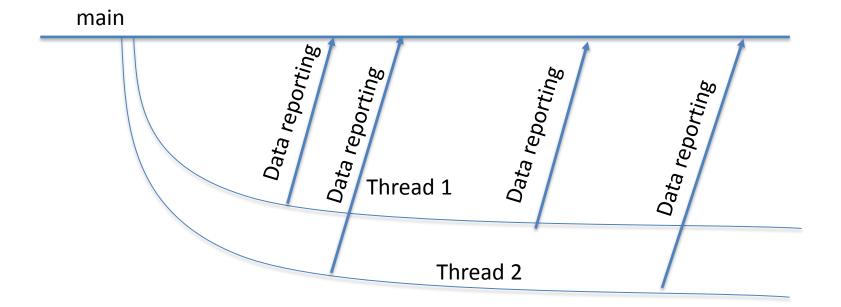
What about?

• What about when threads need to finish before another thread starts?



So much... But.

 We'll only worry about the 1st question today and in 220.



• For answers to the other questions, you'll want to take further CSSE classes.

TemperatureMonitor

- You've been hired as a quality manager to watch the temperature and humidity of labs
 - The interface they've given you is hard to read
 - We need some way to get the information from each sensor (which runs in its own thread) and report it to a central location.

TEAM PROJECT

Be sure everyone is getting a chance to drive.

Work time