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**Class: CSCE489**

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**Project 2 README**

Git Repo: <https://github.com/jacobc40/CSCE489.git>

\*Note\* Project 2 is in Main branch inside PROJ2 folder

**Question**

1. Assuming the shopkeeper hires another worker, what changes would you need to make to turn this into a multi-producer, multi-consumer solution? I'm not asking you to write the code, just provide general pseudocode answers

**It would be similar to adding multiple consumers. In the main function, I would create a pthread array and add a for loop to create/add a new producer thread for every new worker that was hired. Each thread would call full->wait(), to see if there was an empty space in the buffer. Once it produces a Yoda, it would call empty->signal() to let the consumers know a Yoda has been placed on the shelf. If it was a full buffer, it would wait for a consumer to take a Yoda off the shelf and full->signal() to the producer that a space has been cleared. I would also add a for loop so that the main program waits for every producer thread to be done before exiting.**