CS 481

HOMEWORK 3
BAKER, ALEX

4.15

Part A

This just asks for the processes which are created, which is 4.

Part B

Even though there are threads running in each process, only one in the child is created.

5.7

A potential race condition would be if the husband is trying to withdraw more money than is in the account while the wife is trying to deposit. Depending on which gets executed first, the husband's transaction will either succeed or fail. This can be prevented by putting a lock on the account, and not letting any withdrawals or deposits occur until one is completed.