

**CSC 447: Parallel Programming for Multicore and Cluster Systems**

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Spring 2018

**Quiz #1**

Forking & Debugging PThreads Programming

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**I- It's Valentine's day. Thomas is dating 5 women at the same time. He decided to send them flowers 14/02/2018 at 14:14. He hired 5 deliver men to the job in parallel.**

Simulate Thomas idea using Fork() in C. You are asked to create a main program where you fork 5 children and each child echo "Hello Sweetie! Here's your gift from Thomas. Happy Valentine's :D"

**II- Find the bug in the attached code. The code will result with the following:**

Bug Code	Bug Behavior
bug1.c	Hangs
bug3.c	Wrong answers
bug5.c	Threads die and never get to do their work
bug6.c	Wrong answer - run it several times to prove this