Chapman University, Schmidt College of Technology, Software Engineering, Operating Systems
Project 2: SeeSaw With Semaphores

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Usage and Types of Semaphores

In this project, we were instructed to use two threads, one for Fred and one for Wilma, and two semaphores. When creating my project, I decided to use the producer consumer approach, to switch off between Fred pushing off the ground and Wilma off the ground. I used java semaphores imported from java util, and created a one second sleep between each process. The semaphores in the program work by either Fred or Wilma aquiring control and process time over the other, then when that person (either Fred or Wilma) reaches the top and the other the bottom the other person retrieves the process time, and can now run until their cycle is completed. I created this process to last for 10 up and down seesaws from both Fred and Wilma.