

Nachos Pre-Assignment!!!

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Due date: Monday, May 05, 2008, 12:00 PM.

In this pre-assignment (!!!), you will be prepared for doing real assignments on Nachos. At first, students should implement some methods of the Semaphore class, including its constructor, destructor, V and P. The description about these blank methods is mentioned above the function body in threads\synch.cc. Next, you should test your implemented semaphore. For doing so, you must use threadtest.cc file in threads directory.

As a simple work to do, consider a case in which three threads (t1, t2 and t3) are executing three distinct methods like f1, f2 and f3. These three methods should increment a global variable and print its value in addition to the thread name. By using your semaphore, schedule the threads in such a way that they enter to their critical regions (incrementing and printing the global variable), one by another. (t1->t2->t3->t1->....)

Note: Please send a package compressed by tar.gz containing these three files:

- Threads\threadtest.cc
- Threads\synch.cc
- Threads\nachos

ONCE to Sadeq@sqnco.com, subjected by *"OS-Pre-Assignment - your name"*.

Attention: Use the Nachos version which has been uploaded to our webpage recently.