

Session-2 Lab

1. Create three threads: Low, Medium, and High priority. Implement a scenario where each thread prints its name and sleeps for a duration. Adjust the sleep durations based on thread priorities to observe the effects of priority on thread scheduling.

2. Create a messaging system with a shared message queue. Implement two threads: a sender thread that adds messages to the queue and a receiver thread that removes messages from the queue. Use `wait()` and `notifyAll()` to ensure that the sender waits if the queue is full and the receiver waits if the queue is empty.