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Semaphore Lab

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Lab 5: Semaphores

1. A close up of a logo

   Description automatically generated

Since this code does not contain semaphores, the producer produces in order, but the consumer gets ahead of the producer in its execution. This causes the two to get out of sync, causing the consumer to only print “Consuming …” and not specifying what it is actually consuming.

1. –A screenshot of a computer

   Description automatically generated
2. The code had to be edited to allow for the consumer to completely consume all of what the producer produced. There was a for loop in the consumer that only iterated 10 times, while a for-loop in the producer that produced resources iterated 20 times.

A picture containing electronics, computer

Description automatically generated

1. A screenshot of a computer

   Description automatically generated