Sample Output for CSCI 480 Assignment 5

This is an example of the output for the program. Your output should
contain the same information, but the lines may not be in the same order.

If you find any errors in the sample output, please let me know.

Simulation of Producer and Consumers

The semaphores and mutex have been initialized.

```
Producer 0 inserted one item.   Total is now 1
Producer 5 inserted one item.   Total is now 2
Producer 2 inserted one item.   Total is now 3
Consumer 2 removed one item.    Total is now 2
Producer 3 inserted one item.   Total is now 3
Producer 1 inserted one item.   Total is now 4
Consumer 0 removed one item.    Total is now 3
Consumer 1 removed one item.    Total is now 2
Producer 4 inserted one item.   Total is now 3
Consumer 3 removed one item.    Total is now 2
Producer 0 inserted one item.   Total is now 3
Producer 2 inserted one item.   Total is now 4
Consumer 2 removed one item.    Total is now 3
Producer 3 inserted one item.   Total is now 4
Producer 1 inserted one item.   Total is now 5
Producer 5 inserted one item.   Total is now 6
Consumer 0 removed one item.    Total is now 5
Consumer 1 removed one item.    Total is now 4
Producer 4 inserted one item.   Total is now 5
Consumer 3 removed one item.    Total is now 4
Producer 2 inserted one item.   Total is now 5
Producer 0 inserted one item.   Total is now 6
Producer 3 inserted one item.   Total is now 7
Consumer 2 removed one item.    Total is now 6
Consumer 0 removed one item.    Total is now 5
Producer 1 inserted one item.   Total is now 6
Consumer 1 removed one item.    Total is now 5
Producer 5 inserted one item.   Total is now 6
Producer 4 inserted one item.   Total is now 7
Consumer 3 removed one item.    Total is now 6
Producer 0 inserted one item.   Total is now 7
Producer 3 inserted one item.   Total is now 8
Consumer 2 removed one item.    Total is now 7
Producer 2 inserted one item.   Total is now 8
Producer 1 inserted one item.   Total is now 9
Consumer 0 removed one item.    Total is now 8
Consumer 1 removed one item.    Total is now 7
Producer 5 inserted one item.   Total is now 8
Producer 4 inserted one item.   Total is now 9
Consumer 3 removed one item.    Total is now 8
Consumer 2 removed one item.    Total is now 7
```

```
Consumer 0 removed one item.    Total is now 6
Consumer 1 removed one item.    Total is now 5
Consumer 3 removed one item.    Total is now 4
Consumer 2 removed one item.    Total is now 3
Consumer 0 removed one item.    Total is now 2
Consumer 1 removed one item.    Total is now 1
Consumer 3 removed one item.    Total is now 0
```

All the producer and consumer threads have been closed.

The semaphores and mutex have been deleted.