

Example Results

When the Program is run successfully, it will look like this:

```
shady@Ubuntu:~/Desktop/Homework1$ [P]: Generated value 31
[P]: Generated value 55
[P]: waiting
[P]: Entered Critical Section
[P]: Setup Shared Array.
[P]: put value 31 in Shared Memory
[P]: put value 55 in Shared Memory
[P]: Exited Critical Section
[C]: waiting
[C]: Entered Critical Section
[C]: consumed value 31, sum is now 31
[C]: consumed value 55, sum is now 86
[C]: Exited Critical Section
[P]: Generated value 46
[P]: Generated value 81
[P]: waiting
[P]: Entered Critical Section
[P]: put value 46 in Shared Memory
[P]: put value 81 in Shared Memory
[P]: Exited Critical Section
[C]: waiting
[C]: Entered Critical Section
[C]: consumed value 46, sum is now 132
[C]: consumed value 81, sum is now 213
[C]: Exited Critical Section
[P]: Generated value 91
[P]: Generated value 39
[P]: waiting
[P]: Entered Critical Section
[P]: put value 91 in Shared Memory
[P]: put value 39 in Shared Memory
[P]: Exited Critical Section
[C]: waiting
[C]: Entered Critical Section
[C]: consumed value 91, sum is now 304
[C]: consumed value 39, sum is now 343
[C]: Exited Critical Section

[C]: Final Sum = 343
shady@Ubuntu:~/Desktop/Homework1$ ^C
[1]- Done ./producer
[2]+ Done ./consumer
```