# script that would have two functions which would be run as child threads. One function would be “increment” and other would be “square”. Task:

Create a multi-threaded We will be using Queues for inter-process communication between “increment” and “square” threads. “Increment” function will multiply the two numbers “A” and “B”. Then increment the resultant value by “1”. Pass the final output “X” to “Square” thread as input. “Square” thread will again multiply the two values “A” and “X” and square the resultant values, then pass the final output “X” back to “increment” thread which will again perform its processing and pass the output to “square” and so on. This process should keep repeating for n-iterations where n is max\_iterations input by the user.

(initially)

(later)

Make sure to synchronize your thread execution using Inter-process communication (IPC). Reminder, IPC is totally dependent on Queues, so make sure you use them properly.

Correct workflow of thread execution should be Thread 1, Thread 2, Thread 1, Thread 2 and so on until max\_iterations.