**Module 5 - Queues, Iterators, Applications of Stacks and Queues**

**Activity7**

**Assignment-2**

In the Josephus problem from antiquity, N people are in dire straits and agree to the following strategy to reduce the population. They arrange themselves in a circle (at positions numbered from 0 to N-1) and proceed around the circle, eliminating every Mth person until only one person is left. Legend has it that Josephus figured out where to sit to avoid being eliminated. Write a Queue client that takes M and N from the command line and prints out the order in which people are eliminated (and thus would show Josephus where to sit in the circle). Check your program against the given test cases below as a zip file. Submit your Solution(zip file) when all the test cases are passed.

* Download the starter code; the directory structure is similar to the sample-assignment seen in the previous activity
* Unzip the starter code into m5 folder. You should see a folder with the name 5.2 Josephus Problem
* You should write your solution in the file Solution.java
* There are a few lines of code to handle the input testcases
* After you write the code use eval to check if you got all the testcases right
* submit commit ID in the textbox below.