CSCI7645.81 Systems Programming Spring’21

# Assignment 4, Part B

**Descriptions**:

Develop three programs. The first program creates a named pipe, and write 100 integers to the named pipe. The integers are generated by calling random() function. Have the integers limit in range [1, 100].

The second program creates or gains access to a message queue, reads the 100 integers from the named pipe to the message queue. Have 1 to be the message type for odd numbers, 2 to be the message type for even numbers and 3 to be the message type for prime numbers.

The third program creates or gains access to a message queue. It asks users what type the next message you want, even, odd or prime. Then the program reads the next message and outputs the message that users want from the message queue.

**Due** **Date**: Demo your programs in our class’ lab session, 04/13/2021.