COMP 2560 Winter 2024 — Lab 9

Question 1

Study the *sendmessage.c* and *rcvmessage.c* source code posted. In *rcvmessage.c*, the FIFO is opened using the "O_RDWR" mode. Change the FIFO open mode from O_RDWR to O_RDONLY to see what happens to this pair of programs. If nothing different happens, why one would prefer to use O_RDWR instead of using O_RDONLY?

No Submission is required for this question.

Question 2

Google online, read the man page, or read relevant pages in our textbook (use the index of the textbook) regarding the signal **SIGPIPE**.

> Design a small program in which the SIGPIPE is generated when using FIFO and caught by your program. (This is similar to a question in an assignment.)

No Submission is required for this question.

Question 3

We studied the source code *game.c* showing a referee coordinating two players to play a simple game of each player in turn rolling dice and accumulating points to see who first gets 50 points. This program is for two players only.

Modify the game.c program so that there are **3 players** in the game and the referee will now need to coordinate the **3 players** to play the game in turn.

Submission is required for this question by 11: 59 PM, Mar.31. Please submit your source code and a short video explaining the changes you made and also showing you compile and run your program in the video.