Brian Powell

012362894

CECS 326 Sec 05 5288

Assignment 2

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Descriptions

use\_mgsQ.cpp: This file uses the idea of Interprocess communication to create sender and receiver child processes that take advantage of the message queue on Linux systems. By taking advantage of the msgget, msgrcv, and msgsnd function calls to send data between child processes.

master.cpp: Does what main() does in use\_mgsQ.cpp, it sets up both child processes as well as create and destroy the message queue. Also causes the child processes to call the ./sender and ./receiver files once they’ve been compiled by the Linux system.

sender.cpp: Uses msgget() to make sure the child is in the same message queue as the receiver then uses msgsnd() with the message queue ID as an argument to make sure the message is sent to the correct spot, it also displayed the child process ID to less know where we’re at in the program.

receiver.cpp: Uses msgget() like sender.cpp to make sure it’s in the right message queue, then receivers a message from ./sender using the msgrcv() function call and the message queue id as an argument to make sure the child is in the same message queue as the sender.