**CECS 326-01**

# Operating Systems

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## Assignment 2

### Due Date: 9/30/2021

### Submission Date: 10/2/2021

# Program Description

1. The program is to send a create children receiver and sender and send respective message queue id’s to each of them. Afterwards, sender must send a user-inputted message to receiver who “receives the message and displays it to the screen”. Finally, master terminates all processes and ends.

2. master.cpp is the master program that creates the children receiver.cpp and sender.cpp. master creates a message id and passes the arguments to each program. Master only terminates if and only if all child processes and returned with an end process id. Sender.cpp is the program that sends a message. It receives a message id from master which tells it in what order in the program it must be displayed. It sends a message as an argument to receiver.cpp. receiver is a program that gets a message from the message queue to which sender.cpp sent it to as a message. The receiver outputs the message. Master terminates all processes and the program making sure that all processes have run.