

CS3205: Assignment 2 README File

Instructions to Compile

1. Run the provided Makefile by simply typing "make" in a terminal window.

Execution Procedure

Go Back N Protocol:

1. To run the sender, simply run `java SenderGoBack (command line arguments)`
2. To run the receiver first, simply run `java ReceiverGoBack (command line arguments)`
3. It is recommended to run the receiver first and then begin running the sender to avoid a timeout.
4. Port number **12345** works just fine, and may be used.

Selective repeat protocol:

1. To run the sender, simply run `java SenderSelective (command line arguments)`
2. To run the receiver first, simply run `java ReceiverSelective (command line arguments)`
3. It is recommended to run the receiver first and then begin running the sender to avoid a timeout.
4. Port number **12345** works just fine, and may be used.

Assumptions Made:

1. The RTT is calculated in nanoseconds and is taken into account for every packet received as an acknowledgement, **irrespective of timeout**.
2. The Retransmission ratio is calculated as the ratio of total transmitted packets to packets acknowledged within time, this it is **atleast 1**.