

CS 118 PROJECT 2 OUTPUT FORMAT

1 Parameters in command line

- Server (sender): `./server port_number congestion_window_size prob_loss prob_corruption`
- Client (receiver): `./client server_hostname server_port_number filename prob_loss prob_corruption`

2 Output example

2.1 Server(sender)

Sender: waiting for file request

Sender: DATA received seq#0, ACK#0, FIN 0, content-length: 3

Sender: File requested is "req"

.....

Sender: DATA sent seq#0, ACK#4, FIN 0, content-length: 1024

Sender: (ACK lost or corrupted) Timeout

Sender: DATA sent seq#0, ACK#4, FIN 0, content-length: 1024

Sender: ACK received seq#5, ACK#1024, FIN 0, content-length: 0

Sender: sliding window

Sender: DATA sent seq#1024, ACK#6, FIN 0, content-length: 1024

Sender: (ACK lost or corrupted) Timeout

Sender: DATA sent seq#1024, ACK#6, FIN 0, content-length: 1024

Sender: ACK received seq#6, ACK#2048, FIN 0, content-length: 0

Sender: sliding window

Sender: DATA sent seq#2048, ACK#7, FIN 0, content-length: 1024

Sender: ACK received seq#7, ACK#3072, FIN 0, content-length: 0

Sender: sliding window

Sender: file transfer complete

Sender: DATA sent seq#3072, ACK#8, FIN 1, content-length: 0

Sender: FINACK received seq#8, ACK#3073, FIN 1, content-length: 0

Sender: FINACK sent seq#3703, ACK#9, FIN 1, content-length: 0

Sender: close connection

2.2 Client (receiver)

The client side follows the same format as the server side.