

PROGRAM A2:

DESCRIPTION:

The program implements GBN protocol. The window size is four using 10 sequence numbers. Sender sends N packets and uses a timeout value of 2 seconds. Receiver would run using socket number 20000+x, where x=last 2 three digits of usn. Receiver program loses every ith packet.

Enter window size:

4

frame0has been transmitted
frame1has been transmitted
frame2has been transmitted
frame3has been transmitted
please enter the last acknowledgment received

2

frame2has been transmitted
frame3has been transmitted

And so on..

CHALLENGES FACED:

We didn't know how exactly GBN protocol works, then we referred your slides and text book, and we got to know. We were unable to write code for sender to send packets and receiver to receive packets and send back acknowledgement. Then we referred some online websites like, www.geeksforgeeks.org/sliding-window-protocol, <https://github.com/topics/go-back-n>