Assignment - 6 Usage Slow Start in Go Back N ARQ over UDP

The Program consists of two files - udparq_server.c and udparq_client.cpp.

To build the files using makefile , type the following make build

Then to run the server program , open a terminal and type ./udpserver <portno>

Then it prompts for the packet drop percentage probability in the server.

To run the client program , open another terminal and type ./udpclient <host> <portno>

<host> and <portno> are the address and port no of the server.
Then it asks to provide the filename for transfer.

Working:

The client starts with a Initial window size of 3 , and then onwards it increases the window size by no of acks received. If no ack is received then it halfs the window size. The window size is increased until it reaches a MAX_WINDOW = 10,000 defined in the client and server program. There is also a limit to the sequence no , which is MAXSEQ = 10000000 , which is also defined in the both programs.

Sample Input and Output:



