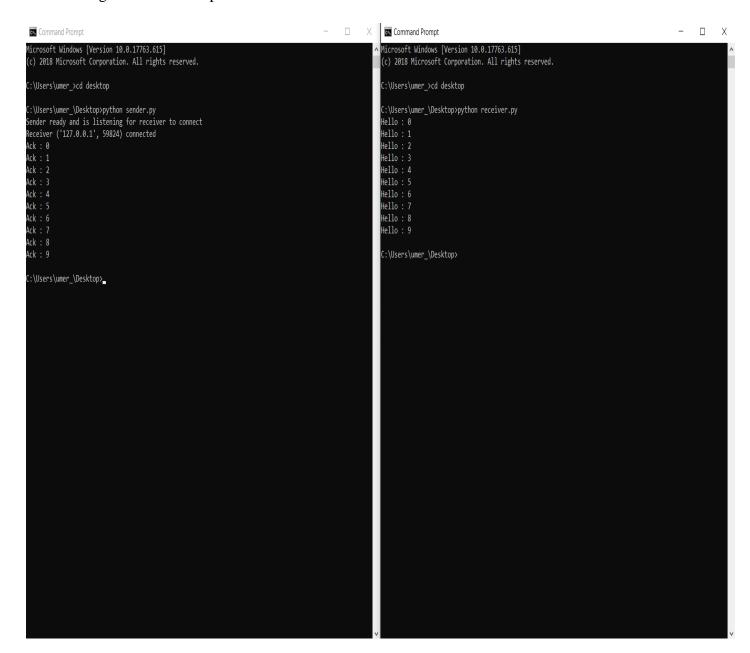
Project - 3

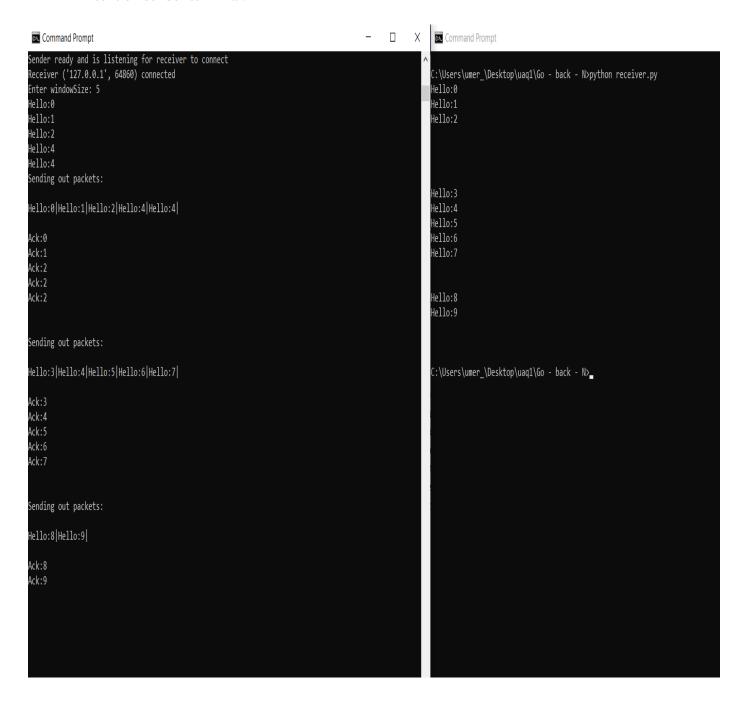
1. Stop - and - wait

Run the sender file first and then run the receiver file. Output on the sender and receiver terminal will be in correct order but if want to test for lost package, comment out the s.send(str1.encode()) in receiver file and you will see no further packets will print out on terminal as sender is not receiving acknowledgements and trying to send same package again. Timeout implemented on sender file is 5 sec.



2. Go - back - N

Run the sender file first and then run the receiver file. On running both files, user will be asked to enter window size which can be anywhere between 1 to 9. Once window size is entered on sender file, user need to input 5 packets with format Hello:x (x is any number between 0 to 9) in case user want to test for incorrect sequence. Once sequence of packet is entered, program will run and give out correct input. User can see the packets being sent on sender terminal.



3. Selective Repeat

Run the sender file first and then run the receiver file. User will be prompted to enter first 5 packets and sequence can be anywhere between 0 to 9 with format Hello:x (x is any number from 0 to 9) followed by enter key. User will see printed out packets being sent, and packets being received on both sender and receiver terminals. To show the user that program works fine, we have implemented second input from user where user will be asked again to enter next five packets with same formatting and sequence number can be anywhere between 0 to 9. In case of timeout, sender will send the packets again for whom acknowledgement not received yet. We have attached the screen shot with wrong input of sequence numbers and the output.

