```
paulpeng@MSI:/mnt/c/Users/paul/Desktop/CN_project/Client_edge$ ./client 12345

[Client]: setting up parameters
========== parameter ==========
 The RTT delay:     15 ms
 The threshold:     64 Kbytes
 The MSS:           1024 bytes
 The buffer size:   512 Kbytes
 The IP address:    127.0.0.1
 Listening on port: 12345
===============================
[Client]: Connecting to 127.0.0.1 : 8080
Send a packet(SYN) to 127.0.0.1 : 8080
Received a packet(SYN/ACK) from 127.0.0.1 : 8080
        Received a packet (seq_num = 1851 , ack_num = 3032)
Send a packet(ACK) to 127.0.0.1 : 8080
[Client]: Connect successfully

[Client]: What do you want to do?
        [1]: Download a video.
        [2]: Cloud Computing.
        [3]: DNS resolving.
[Client]: Choose number: |
```

```
paulpeng@MSI:/mnt/c/Users/paul/Desktop/CN_project/Server_edge$ ./server

[Server]: setting up parameters
========== parameter ==========
 The RTT delay:     15 ms
 The threshold:     64 Kbytes
 The MSS:           1024 bytes
 The buffer size:   512 Kbytes
 The IP address:    0.0.0.0
 Listening on port: 8080
===============================
[Server]: Listening
Received a packet(SYN) from 127.0.0.1 : 12345
        Received a packet (seq_num = 3031 , ack_num = 0)
Send a packet(SYN/ACK) to 127.0.0.1 : 12345
Received a packet(ACK) from 127.0.0.1 : 12345
        Received a packet (seq_num = 3032 , ack_num = 1852)
[Server]: Client enqueue 127.0.0.1 : 12345

|
```

```
         Received a packet (seq_num = 3668 , ack_num = 6700)
         Received a packet (seq_num = 3669 , ack_num = 6701)
         Received a packet (seq_num = 3670 , ack_num = 6702)
         Received a packet (seq_num = 3671 , ack_num = 6703)
         Received a packet (seq_num = 3672 , ack_num = 6704)
         Received a packet (seq_num = 3673 , ack_num = 6705)
         Received a packet (seq_num = 3674 , ack_num = 6706)
         Received a packet (seq_num = 3675 , ack_num = 6707)
         Received a packet (seq_num = 3676 , ack_num = 6708)
         Received a packet (seq_num = 3677 , ack_num = 6709)
         Received a packet (seq_num = 3678 , ack_num = 6710)
         Received a packet (seq_num = 3679 , ack_num = 6711)
         Received a packet (seq_num = 3680 , ack_num = 6712)
         Received a packet (seq_num = 3681 , ack_num = 6713)
         Received a packet (seq_num = 3682 , ack_num = 6714)
[Client]: Finish transmission
[Client]: Total file size is 3770226 bytes

[Client]: What do you want to do?
         [1]: Download a video.
         [2]: Cloud Computing.
         [3]: DNS resolving.
[Client]: Choose number: |
```

```
     Received a packet (seq_num = 6705 , ack_num = 3674)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 8050 bytes
     Received a packet (seq_num = 6706 , ack_num = 3675)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 7026 bytes
     Received a packet (seq_num = 6707 , ack_num = 3676)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 6002 bytes
     Received a packet (seq_num = 6708 , ack_num = 3677)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 4978 bytes
     Received a packet (seq_num = 6709 , ack_num = 3678)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 3954 bytes
     Received a packet (seq_num = 6710 , ack_num = 3679)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 2930 bytes
     Received a packet (seq_num = 6711 , ack_num = 3680)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 1906 bytes
     Received a packet (seq_num = 6712 , ack_num = 3681)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 882 bytes
     Received a packet (seq_num = 6713 , ack_num = 3682)
[Server]: cwnd = 1024, rwnd = 524288, threshold = 65536
[Server]: Send a packet at : 0 bytes
     Received a packet (seq_num = 6714 , ack_num = 3683)
[Server]: Finish transmission
|
```