Assignment 5- Design Document,   UCID: 30111924,   Name: Farica Mago
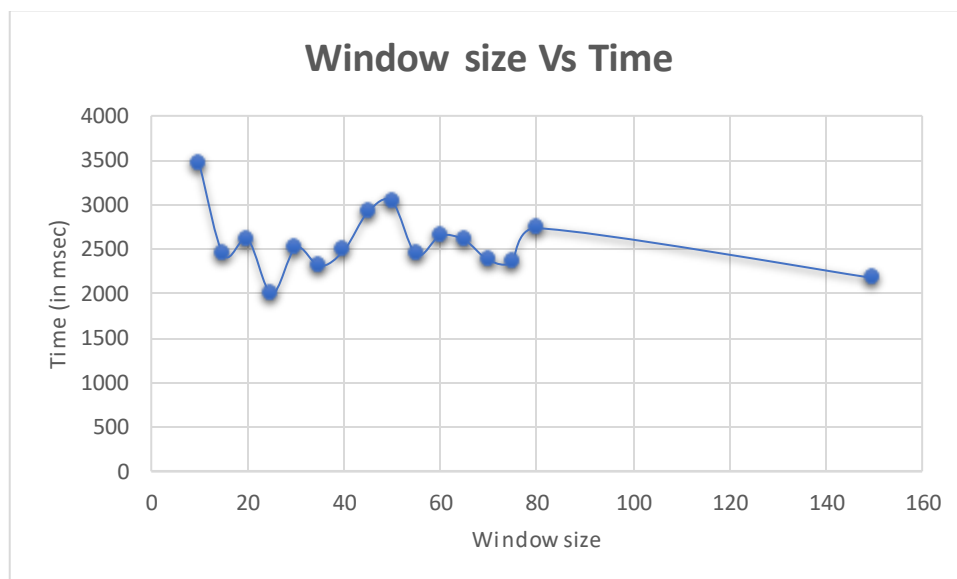
I have set the loss and delay parameters of the server as 0. I have plotted the graph of the window size Vs time taken which is shown below. (For large.jpg file)

Window Size	Time(ms)
10	3450
15	2436
20	2610
25	1999
30	2516
35	2309
40	2487
45	2919
50	3035
55	2438
60	2651
65	2602
70	2377
75	2355
80	2736
150	2173

Explanation: We can see from the graph that, though there is a variation in the trend of the graph, overall, we can say that, as the window size increases, the time decreases.

The reason of this uneven decrease is because, as we increase the window size, we have to retransmit the same amount of packets present in the window, so the retransmission time of larger window size is more than that of the small window size, therefore, even though we are transmitting more packets in one go, the re transmission time will be larger.

So, in short, the time taken depends upon the window size as well as the number of retranmissions.