

Recitation 5: Group exercises

1. TCP

- TCP is connection-oriented. Do the segments follow the same path?
- When following bits are used?
 - URG
 - PSH
 - RST
- Which of the following consume a sequence number in three-way handshaking?
 - SYN
 - SYN + ACK
 - ACK
- What is SYN flooding attack?
- Describe MSL.
- Explain the difference between receiver window (rwnd) and congestion window (cwnd).
- What is Silly Window Syndrome.
- Explain accumulative and selective acknowledgements?
- When a segment is retransmitted?
- Explain slow start and congestion avoidance.
- Why TCP needs persistence and keepalive timers?
- Which of the Options in TCP is used in PAWS (protection against wrapped sequence numbers)?

2. HTTP

- Browse some websites, show their source pages and use ethereal to view the HTTP requests and responses.