TCP Attacks (CS 915)

Post-Lab Assignment (100 marks)

Write a report, addressing the following questions.

1. Attack 1: SYN flooding attack. Describe the results of the attack with screenshots and explain why the attack works as you observe. [10]

2. Attack 2: TCP RESET attack. Describe the results of the attack with screenshots. Explain how you modify the parameters in the code and why the attack works as you observe. [20]

3. Attack 3: TCP Session hijacking attack. Describe the results of the attack with screenshots. Explain how you modify the parameters in the code and why the attack works as you observe. [30]

4. Question: In the TCP session hijacking attack, the user's session window freezes after the TCP session is hijacked. Explain what's happening to the user's session. [40]