- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must ensure all answers are legal as defined by the class syllabus.
- All parts of your answers must be neat and easy to read.
- Paragraphs are at least four properly constructed English sentences.
- Embedding documents within documents does not work with the D2L Bright Space assignments.
- Plagiarism will not be tolerated.
- Unless noted, all lab sections must be done as unprivileged login.
- Labeling answers is highly recommended.

7. **Lab 07: Connecting Computers**
    7.1. Upload each answer to the D2L Bright Space Assignment section 7.1 before the due date found in the csec1110a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following. Put your answer in a single document.
        7.1.1. Provide the grant of permission to capture packets on the network. All tests must occur during the permission time. A properly signed permission statement is required for any lab section credit.
        7.1.2. Provide a properly formatted Wireshark or similar system packet capture showing only a TCP three-way handshake. Only full information of three frames is shown.
        7.1.3. Provide a properly formatted Wireshark or similar system packet capture showing only an ARP request and response. Only full information of two frames is shown.
        7.1.4. Provide a properly formatted Wireshark or similar system packet capture showing only a neighbor's multicast. Only full information of one frame is shown.
        7.1.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

    7.2. Upload each answer to the D2L Bright Space Assignment section 7.2 before the due date found in the csec1110a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.
        7.2.1. Provide the grant of permission to port scan on the network. All tests must occur during the permission time. A properly signed permission statement is required for any lab section credit.
        7.2.2. Report the scanner system IP addresses and scanner version. The scanner host and target systems may not be the same system. Please label your answer.
        7.2.3. Provide the IP address of the host to be scanned.
        7.2.4. Report all the findings of an external base port scanner like NMAP against a Windows host utilizing "Quick scan plus". The timestamps must be in Central Time or UTC time. Please label your answer.
        7.2.5. For each open port found, explain why it should or should not be open.
        7.2.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

    7.3. Upload each answer to the D2L Bright Space Assignment section 7.3 before the due date found in the csec1110a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.
        7.3.1. Provide the grant of permission to port scan on the network. All tests must occur during the permission time. A properly signed permission statement is required for any lab section credit.
        7.3.2. Report the scanner system IP addresses and scanner version. The scanner host and target systems may not be the same system. Please label your answer.
        7.3.3. Provide the IP address of the host to be scanned.
        7.3.4. Report all the findings of an external base port scanner like NMAP against a Linux host utilizing "Quick scan plus". The timestamps must be in Central Time or UTC time. Please label your answer.
        7.3.5. For each open port found, explain why it should or should not be open.
        7.3.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

    7.4. Upload each answer to the D2L Bright Space Assignment section 7.4 before the due date found in the csec1110a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.
        7.4.1. Provide the grant of permission to port scan on the network. All tests must occur during the permission time. A properly signed permission statement is required for any lab section credit.

7.4.2. Report the scanner system IP addresses and scanner version. The scanner host and target systems may not be the same system. Please label your answer.

7.4.3. Provide the IP address of the host to be scanned.

7.4.4. Report all the findings of an external base port scanner like NMAP against a game or similar host utilizing "Quick scan plus". The timestamps must be in Central Time or UTC time. Please label your answer.

7.4.5. For each open port found, explain why it should or should not be open.

7.4.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.