

Informatics
CSCI 1110
Lab 08

- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must insure 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.

Lab 08: The Internet

- 8.1. Each part is worth eight points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 8.1 before the due date found in the 1110a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
 - 8.1.1. Provide evidence of successfully verifying your instructor's digital signature on an email message using GPG or similar. [8 points]
 - 8.1.2. Provide the successfully decrypted instructor email response to your successfully encrypted email. Using GPG or similar. Remember, you must have a valid public key to send encrypted email. [8 points]
 - 8.1.3. In a paragraph, explain how digital signatures and email encryption support or not support authenticity of source. [8 points]
 - 8.1.4. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]
- 8.2. Each part is worth six points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 8.2 before the due date found in the 1110a.pdf document. The text must be readable by the instructor. Submit a Windows or UNIX text file with the appropriate Windows extension.
 - 8.2.1. Provide a list of digital certificates considered authoritative and trustworthy by your operating system or browser. [8 points]
 - 8.2.2. In a separate section, provide the complete information of one certificate. [8 points]
 - 8.2.3. In a paragraph, explain how certificates support or not support authenticity of source. [8 points]
 - 8.2.4. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]
- 8.3. Each part is worth five points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 8.3 before the due date found in the 1110a.pdf document. The text must be readable by the instructor. Submit a Windows or UNIX text file with the appropriate Windows extension.
 - 8.3.1. The script/batch beginning identifies the purpose, author, outside help credit, and creation date. [4 points]
 - 8.3.2. Provide your system's IP addresses for your system. [4 points]
 - 8.3.3. Provide the date, time, and successful ping results to a remote host. [4 points]
 - 8.3.4. Provide evidence of successfully running your entire script/batch file at least twice. The runs must be at least six hours apart. [4 points]
 - 8.3.5. Provide your entire source code. This is your batch file or shell script. [4 points]
 - 8.3.6. Provide a copy of your system's log file showing the program ran by Task Scheduler or cron. [4 points]
 - 8.3.7. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]
- 8.4. Each part is worth eight points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 8.4 before the due date found in the 1110a.pdf document. The text must be readable by the instructor. Submit a Portable Document Format (PDF) or word processing file containing your answers.
 - 8.4.1. Provide your instructor's email response to you a meeting you electronically scheduled. [8 points]
 - 8.4.2. Provide evidence of inviting at least three other students to a meeting your electronically scheduled. [8 points]
 - 8.4.3. In one or two sentences, explain how you know the invitation acceptance/rejection came from the intended person. [8 points]
 - 8.4.4. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]