

Linux 1
CPTR 2224
Lab 06

- 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.

6. Lab 06: Scripting 2

- 6.1. Upload each answer to the D2L Bright Space Assignment section 6.1 before the due date found in the 2224a.pdf document. Submit the entire text file generated by the script command or similar containing the following.
 - 6.1.1. The remarks identify the bash shell script purpose, outside help credit, author, and creation date.
 - 6.1.2. At the command prompt, request a guess for a secret.
 - 6.1.2.1. Should the guess be correct, congratulations.
 - 6.1.2.2. Should the guess be incorrect, notify incorrect.
 - 6.1.3. Provide a complete copy of the source code.
 - 6.1.4. Provide the output of comparing your code's output of two different times/runs. Once with the correct guess and once with incorrect guess.
 - 6.1.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.
- 6.2. Upload each answer to the D2L Bright Space Assignment section 6.2 before the due date found in the 2224a.pdf document. Submit the entire text file generated by the script command or similar containing the following.
 - 6.2.1. The remarks identify the bash shell script purpose, outside help credit, author, and creation date.
 - 6.2.2. The script will request the name of a directory (folder or subdirectory).
 - 6.2.2.1. Should the directory exist.
 - 6.2.2.1.1. The script will create or copy five additional files to the directory.
 - 6.2.2.1.2. The script will output a long directory list of the directory with the new files.
 - 6.2.2.2. Should the direction not exist.
 - 6.2.2.2.1. Create the directory.
 - 6.2.2.2.2. Create a file in the newly created directory with only the current fortune output.
 - 6.2.3. Provide a complete copy of the source code.
 - 6.2.4. Provide the output of comparing your code's output of two different times/runs. Once with an existing directory and once the directory does not exist.
 - 6.2.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.
- 6.3. Upload each answer to the D2L Bright Space Assignment section 6.3 before the due date found in the 2224a.pdf document. Submit the entire text file generated by the script command or similar containing the following.
 - 6.3.1. The remarks identify the bash shell script purpose, outside help credit, author, and creation date.
 - 6.3.2. A single script will test for the existence of
 - 6.3.2.1. /etc/sysconfig/atd
 - 6.3.2.2. /etc/sysconfig/bind
 - 6.3.2.3. /etc/sysconfig/boot
 - 6.3.2.4. /etc/sysconfig/ifcfg-eth0
 - 6.3.2.5. /etc/sysconfig/language
 - 6.3.2.6. /etc/sysconfig/ssh
 - 6.3.3. If the script finds the file, copy the file to a backup folder in your home directory.
 - 6.3.4. Add a long directory listing showing the file in the backup location in a data file.
 - 6.3.5. If the script does not find the file, add a not found file message to the data file.
 - 6.3.6. Add the source code and the output of the fortune command to the data file.
 - 6.3.7. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.
- 6.4. Upload each answer to the D2L Bright Space Assignment section 6.4 before the due date found in the 2224a.pdf document. Submit the entire text file generated by the script command or similar containing the following.

- 6.4.1. The remarks identify the bash shell script purpose, outside help credit, author, and creation date.
- 6.4.2. The script will request a login name.
- 6.4.3. The script will verify the login name is acceptable according to the following.
 - 6.4.3.1. Only letters and numbers are found in the name.
 - 6.4.3.2. The login name is no more than 20 characters long.
- 6.4.4. Provide a complete copy of the source code.
- 6.4.5. Provide a copy of your script with an acceptable login name, too long login name, and invalid characters in login name.
- 6.4.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.