

Linux 1
CPTR 2224
Lab 05

- 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.
- Unless noted, all lab sections must be done as unprivileged login.

Lab 05: Scripting 1

- 5.1. Each part is worth two points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 5.1 before the due date found in the 2224a.pdf document. The text must be readable by the instructor. Submit a Windows or UNIX text file with the appropriate Windows extension.
- 5.1.1. The bash shell script will have remarks identifying the author, creation date, outside help credit, and script purpose. [4 points]
- 5.1.2. The script will report the current system date. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.3. The script will report the output of the **lscpu** command. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.4. The script will report the output of the **lsscsi** command. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.5. The script will report the output of the **lsusb -v** command. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.6. The script will report the output of the **ip route show all** command. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.7. The script will report the output of the **netstat -tulpn | grep LISTEN** command. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.8. The script will report the output of the **uname -a** command. Send this output to the file **/tmp/doc51.txt**. [2 points]
- 5.1.9. The script will provide the output of the fortune program to the file **/tmp/doc51.txt**. [2 points]
- 5.1.10. The script will redirect a copy of the script to the file **/tmp/doc51.txt**. [2 points]
- 5.1.11. Provide a copy of the entire **/tmp/doc51.txt** file. This is your lab section answer. [2 points]
- 5.1.12. 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]
- 5.2. Each part is worth two points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 5.2 before the due date found in the 2224a.pdf document. Submit a Windows or UNIX text file with the appropriate Windows extension.
- 5.2.1. The bash shell script will have remarks identifying the author, creation date, outside help credit, and script purpose. [4 points]
- 5.2.2. The script will report the current system date. Send this output to the file **/tmp/doc52.txt**. [2 points]
- 5.2.3. The script will report the output of the **lscpu** command. Send this output to the file **/tmp/doc52.txt**. [2 points]
- 5.2.4. The script will report the output of the **lsscsi** command. Send this output to the file **/tmp/doc52.txt**. [2 points]
- 5.2.5. The script will report the output of the **lsusb -v** command. Send this output to the file **/tmp/doc52.txt**. [2 points]
- 5.2.6. The script will report the output of the **ip route show all** command. Send this output to the file **/tmp/doc52.txt**. [2 points]
- 5.2.7. The script will report the output of the **netstat -tulpn | grep LISTEN** command. Send this output to the file **/tmp/doc52.txt**. [2 points]
- 5.2.8. The script will report the output of the **uname -a** command. Send this output to the file **/tmp/doc52.txt**.
- 5.2.9. The script will provide the output of the fortune program to the file **/tmp/doc52.txt**. [2 points]
- 5.2.10. The script will redirect a copy of the script to the file **/tmp/doc52.txt**. [2 points]
- 5.2.11. Provide a copy of the entire **/tmp/doc52.txt** file. This is your lab section answer. [2 points]
- 5.2.12. 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]

- 5.3. Each part is worth three points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 5.3 before the due date found in the 2224a.pdf document. The text must be readable by the instructor.
- 5.3.1. The bash shell script will have remarks identifying the author, creation date, outside help credit, and script purpose. [3 points]
 - 5.3.2. The script will report the current system date. Send the output to the file **/tmp/doc53.txt**. [3 points]
 - 5.3.3. The script will compare (cmp) the files **/tmp/doc51.txt** and **/tmp/doc52.txt**. Send this output to the file **~/doc53.txt**. [3 points]
 - 5.3.4. The script will report the differences (diff) between **/tmp/doc51.txt** and **/tmp/doc52.txt**. Send this output to the file **~/doc53.txt**. [3 points]
 - 5.3.5. The script will report the number of words in **/tmp/doc51.txt**. Send this output to the file **~/doc53.txt**. [3 points]
 - 5.3.6. The script will report the number of words in **/tmp/doc52.txt**. Send this output to the file **~/doc53.txt**. [3 points]
 - 5.3.7. The script will redirect a copy of the script to the file **/tmp/doc53.txt**. [3 points]
 - 5.3.8. Provide a copy of the entire **/tmp/doc53.txt** file. This is lab section answer. [3 points]
 - 5.3.9. 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]
- 5.4. Each part is worth five points for a maximum of twenty-five points. Upload each section answer to the D2L Bright Space Assignment section 5.4 before the due date found in the 2224a.pdf document. The text must be readable by the instructor.
- 5.4.1. The bash shell script will have remarks identifying the author, creation date, outside help credit, and script purpose. [5 points]
 - 5.4.2. The script will report the output of five different informational items from /proc. [5 points]
 - 5.4.3. The script will provide the output of the fortune command to the output file. [4 points]
 - 5.4.4. The script will report the date and time of the baseline to the output file. [5 points]
 - 5.4.5. Provide a complete copy of the source code. [5 points]
 - 5.4.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used. [1 point]