

Peer-graded Assignment: Peer-Graded Final Assignment

It looks like this is your first peer-graded assignment. [Learn more](#) X

Instructions My submission Discussions

Linux Commands and Shell Scripting - Final Project

Submitted on July 5, 2024

[Shareable Link](#)

PROMPT	RUBRIC
<p>Task 1: Submit a screenshot of your code following the comment "# [TASK 1]" in your completed backup.sh file.</p> <p>Label this image: "01-Set_Variables.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that sets the \$targetDirectory and \$destinationDirectory variables to the correct values .</p> <p>Set_Variables</p> <pre># [TASK 1] targetDirectory=\$1 destinationDirectory=\$2</pre>	<p>Did the learner upload the screenshot of code for Task 1?</p> <p><input checked="" type="radio"/> 1 point RJ Correct. The learner's code resembles the following:</p> <pre>targetDirectory=\$1 destinationDirectory=\$2</pre> <p><input type="radio"/> 0 points Incorrect. The code is incorrect, or no code was provided for this task.</p>

PROMPT	RUBRIC
<p>Submit a screenshot of your code following the comment "# [TASK 2]" in your completed backup.sh file.</p> <p>Label this image: "02-Display_Values.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that prints the target and destination directory paths to the user.</p> <p>Display Values</p> <pre># [TASK 2] echo "targetDirectory is \$1" echo "destinationDirectory is \$2"</pre>	<p>Did the learner upload the screenshot of code for Task 2?</p> <p><input type="radio"/> 1 point Correct. The learner placed:</p> <ul style="list-style-type: none">\$targetDirectory and \$destinationDirectory in the echo statements <p>Example:</p> <pre>echo "Target directory: \$targetDirectory" echo "Backup destination: \$destinationDirectory"</pre> <p><input checked="" type="radio"/> 0 points RJ Incorrect. The code lacks \$targetDirectory and \$destinationDirectory in the echo statements.</p>

PROMPT	RUBRIC
<p>Submit a screenshot of your code following the comment "# [TASK 3]" in your completed backup.sh file.</p> <p>Label this image: "03-CurrentTS.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that sets the currentTS variable to the current timestamp in seconds.</p> <p>CurrentTS</p> <pre># [TASK 3] currentTS=\$(date +%s)</pre>	<p>Did the learner upload the screenshot of code for Task 3?</p> <p><input checked="" type="radio"/> 1 point RJ Correct. The learner correctly defined currentTS using one of the following:</p> <pre>currentTS=\$(date +%s) currentTS=`date +%%s`</pre> <p>(The %%s may be surrounded by quotes)</p> <p><input type="radio"/> 0 points Incorrect. The learner did not</p>

	correctly define the currentTS variable.
--	--

PROMPT	RUBRIC
<p>Submit a screenshot of your code following the comment "# [TASK 4]" in your completed backup.sh file.</p> <p>Label this image: "04-Set_Value.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that sets the backupFileName to the correct value.</p> <p>Set Value</p> <pre># [TASK 4] backupFileName="backup-\$currentTS.tar.gz"</pre>	<p>Did the learner upload the screenshot of code for Task 4?</p> <p><input checked="" type="radio"/> 1 point RJ Correct. The learner's code will result in backupFileName being correctly defined as Backup-[current timestamp in seconds].tar.gz as seen in the following: <code>backupFileName="backup-\$currentTS.tar.gz"</code></p> <p><input type="radio"/> 0 points Incorrect. The learner's definition of backupFileName is wrong or no code is provided.</p>

PROMPT	RUBRIC
<p>Submit a screenshot of your code following the comment "# [TASK 5]" in your completed backup.sh file.</p> <p>Label this image: "05-Define_Variable.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that correctly defines the origAbsPath variable.</p> <p>Define Variable</p> <pre># [TASK 5] origAbsPath=\$(pwd)</pre>	<p>Did the learner upload the screenshot of code for Task 5?</p> <p><input checked="" type="radio"/> 1 point RJ Correct. The learner correctly defined origAbsPath using the pwd command.</p> <p>Either of the following is correct:</p> <pre>origAbsPath=\$(pwd) origAbsPath=`pwd`</pre> <p><input type="radio"/> 0 points Incorrect. The learner did not correctly define origAbsPath or no code provided.</p>

PROMPT	RUBRIC
<p>Submit a screenshot of your code following the comment "# [TASK 6]" in your completed backup.sh file.</p> <p>Label this image: "06-Define_Variable.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that correctly defines the destAbsPath variable.</p> <p>Define Variable</p> <pre># [TASK 6] cd \$destinationDirectory destAbsPath=\$destinationDirectory</pre>	<p>Did the learner upload the screenshot of code for Task 6?</p> <p><input checked="" type="radio"/> 1 point Correct. The learner correctly defined destAbsPath using one of the following: <code>cd \$destinationDirectory</code> <code>destAbsPath=\$(pwd)</code></p> <p><code>cd \$destinationDirectory</code> <code>destAbsPath=`pwd`</code></p> <p><input type="radio"/> 0 points RJ Incorrect. The learner's code is incorrect or no code is provided.</p>

PROMPT	RUBRIC
<p>Submit a screenshot of your code following the comment "# [TASK 7]" in your completed backup.sh file.</p> <p>Label this image: "07-Change_Directory.png (or .jpg, .jpeg)</p> <p>This screenshot should show code that changes</p>	<p>Did the learner upload the screenshot of code for Task 7?</p> <p><input checked="" type="radio"/> 1 point RJ Correct. The learner correctly changed the current working directory to targetDirectory using code like the following:</p>

the current working directory to targetDirectory.

Change Directory

```
# [TASK 7]
cd $origAbsPath
cd $targetDirectory
```

cd \$origAbsPath
cd \$targetDirectory



0 points

Incorrect. The code doesn't resemble the example code and fails to change the current working directory to targetDirectory.

PROMPT

Submit a screenshot of your code following the comment "# [TASK 8]" in your completed backup.sh file.

Label this image: "08-YesterdayTS.png (or .jpg, .jpeg)

This screenshot should show code that sets yesterdayTS to the timestamp (in seconds) of 24 hours before currentTS.

```
YesterdayTS
# [TASK 8]
yesterdayTS=$(($currentTS - 24 * 60 * 60))
```

RUBRIC

Did the learner upload the screenshot of code for Task 8?

1 point

Correct. The learner set yesterdayTS correctly using code resembling the following:

```
yesterdayTS=$((currentTS - 24 * 60 * 60))
```

RJ



0 points

Incorrect. The code doesn't resemble the example and fails to set yesterdayTS to 24 * 60 * 60 seconds less than currentTS.

PROMPT

Submit a screenshot of your code following the comment "# [TASK 9]" in your completed backup.sh file.

Label this image: "09-List_AllFilesandDirectories.png (or .jpg, .jpeg)

This screenshot should show code that puts the correct command to list all files and directories within the \${} brackets.

List All Files and Directories

```
for file in $(ls) # [TASK 9]
```

RUBRIC

Did the learner upload the screenshot of code for Task 9?

1 point

Correct. The code has either of the following in the \${}:

```
for file in $(ls)
for file in $(ls -a)
```

RJ



0 points

Incorrect. The code doesn't resemble the example and doesn't simply list out all immediate child files and directories within the current working directory.

PROMPT

Submit a screenshot of your code following the comment "# [TASK 10]" in your completed backup.sh file.

Label this image: "10-IF_Statement.png (or .jpg, .jpeg)

This screenshot should show code in the if statement and checks if file \$file was updated within the past day.

IF Statement

```
# [TASK 10]
if ((`date -r $file +%s` > $yesterdayTS))
```

RUBRIC

Did the learner upload the screenshot of code for Task 10?

1 point

Correct. You see the following code or similar that means the same:

```
if ((`date -r $file +%s` > $yesterdayTS))
```

RJ



0 points

Incorrect. The code doesn't resemble the example and does something other than what is required.

PROMPT

Submit a screenshot of your code following the comment "# [TASK 11]" in your completed backup.sh file.

Label this image: "11-Add_File.png (or .jpg, .jpeg)

RUBRIC

Did the learner upload the screenshot of code for Task 11?

1 point

Correct. You see the following code or similar that means the same:

RJ



This screenshot should show code that adds the name of the file that was updated within the past day to the toBackup array.

Add File

```
# [TASK 11]
toBackup+=($file)
```

toBackup+=(\$file)

- 0 points
Incorrect. The code doesn't resemble the example and does something other than what is required.

PROMPT

Submit a screenshot of your code following the comment "# [TASK 12]" in your completed backup.sh file.

Label this image: "12-Create_Backup.png (or .jpg, .jpeg)

This screenshot should show code that creates the backup file in the current directory which is an archived and compressed file containing all files in toBackup.

Create Backup

```
# [TASK 12]
tar -czvf $backupFileName ${toBackup[@]}
```

RUBRIC

Did the learner upload the screenshot of code for Task 12?

- 1 point
Correct. You see the following code:
tar -czvf \$backupFileName \${toBackup[@]}



- 0 points
Incorrect. The code doesn't resemble the example and does something other than what is required.

PROMPT

Submit a screenshot of your code following the comment "# [TASK 13]" in your completed backup.sh file.

Label this image: "13-Move_Backup.png (or .jpg, .jpeg)

This screenshot should show code that moves the backup file created in task 12 to the path destinationPath

Move Backup

```
# [TASK 13]
mv $backupFileName $destAbsPath
```

RUBRIC

Did the learner upload the screenshot of code for Task 13?

- 1 point
Correct. You see the following code or similar that means the same:
mv \$backupFileName \$destAbsPath



- 0 points
Incorrect. The code doesn't resemble the example and does something other than what is required.

PROMPT

Upload your completed "backup.sh" file.

Your code will be checked and verified that all tasks are complete.

"backup.sh" file

["backup.sh" file

RUBRIC

Did the learner upload their completed backup.sh file?

The .sh file can be opened with Notepad (Windows),TextEdit (macOS), or another text editing application of your choice.

- 1 point
Correct, the entire content of "backup.sh" file with modifications by the learner has been provided.



- 0 points
There is no file uploaded or the code uploaded lacks modifications from the learner. (The content resembles the original template without modifications)

PROMPT

Submit the screenshot titled "15-executable.png" (or .jpg, .jpeg).

This screenshot should show that your backup.sh file is executable.

Executable

```
theia@theia-docker:~$ shreyans2012:/home/project5 chmod +x backup.sh
theia@theia-docker:~$ shreyans2012:/home/project5 ls -l backup.sh
-rwxr-xr-x 1 shreyans 1372 Jul 5 02:08 backup.sh
theia@theia-docker:~$ shreyans2012:/home/project5
```

RUBRIC

Did the learner upload the screenshot for Task 15 showing permissions for the backup.sh file?

TIP: If the screenshot appears small and is hard to read try zooming in by pressing "Ctrl" and "+" keys together (Mac: "Command" and "+"), or Right-click on the image and "View Image" (Firefox) or "Open Image in new Tab" (Chrome).

- 2 points
Correct. The learner's screenshot





resembles the following output
showing the file is executable:

```
theia@theiadecker: ~$ cd /home/projects
theia@theiadecker: ~$ ls -l backup.sh
theia@theiadecker: ~$ ./backup.sh
```

0 points

Incorrect. The screenshot doesn't contain any Xs or the learner didn't submit anything.

PROMPT

Submit a screenshot called "16-backup-complete.png (or .jpg, .jpeg)

Your screenshot should show the backupfile in the current directory with the correct name.

```
-rwxr-xr-x 1 theia users 1373 Jul 5 02:00 backup.sh
drwxr-sr-x 2 theia users 4096 Jul 5 02:00 important-documents
-rw-r--r-- 1 theia users 4955 Sep 28 2022 important-documents.zip
theia@theiadecker:~$ cd /home/projects
```

RUBRIC

Did the learner upload the screenshot for Task 16 showing the backup file in the current directory with the correct name?

TIP: If the screenshot appears small and is hard to read try zooming in by pressing "Ctrl" and "+" keys together (Mac: "Command" and "+"), or Right-click on the image and "View Image" (Firefox) or "Open Image in new Tab" (Chrome).

2 points

Correct. The learner's screenshot contains a line showing the backed-up file:

Note: The number can be different
but should be larger than the one in the provided example.

1 point

Partially correct. The file is present but has an incorrect name.

0 points

Incorrect. The screenshot doesn't resemble the example, is irrelevant, or isn't provided.

RJ

PROMPT

Submit the screenshot titled "17-crontab.png (or .jpg, .jpeg)

Your screenshot should show a crontab routine scheduled to run every 24 hours. (doesn't matter what time of day as long as it's every 24 hours)

Crontab

```
* Edit this file to introduce tasks to be run by cron.
# Each task to run has to be defined through a single line
# indicating what command should be run and when it will be run
# and how often it should be run.
# To define the time you can provide concrete values for
# minute (e), hour (h), day of month (dom), month (mon),
# and year (y). These values are separated by spaces.
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezone.
# Outside of the cron tab (including cronrc) it is best to
# use full paths for the command and for the location of this file.
# For example, you can run a backup of all your user accounts
# at 5 a.m. every week with
# 0 5 * * * /usr/local/bin/backup/weekly /home/
# For more information see the manual pages of crontab(5) and cron(8)
# * * * * * command
*/1 * * * * /usr/local/bin/backup.sh /home/project/important-documents /home/project
```

RUBRIC

Did the learner upload the screenshot for Task 17 a crontab routine is scheduled to run every 24 hours?

TIP: If the screenshot appears small and is hard to read try zooming in by pressing "Ctrl" and "+" keys together (Mac: "Command" and "+"), or Right-click on the image and "View Image" (Firefox) or "Open Image in new Tab" (Chrome).

2 points

Correct. The output of "crontab -l" includes the following line:

Note: The numbers don't need to both be 0, as long as they're valid minute and hour times (0-59, and 0-23)

1 point

Partially correct. The screenshot shows a different schedule than every 24 hours.

0 points

Incorrect. The screenshot doesn't resemble the example, is irrelevant, or isn't provided.

RJ

[Start new attempt](#)

Comments

Comments left for the learner are visible only to that learner and the person who left the comment.

SS

Share your thoughts...



 Like  Dislike  Report an issue

