OSYS 1000 ASSIGNMENT 7

**UNIX**

**Due: Wednesday, Apr. 3, 2019 (in class)**

# Instructions

1. This assignment is in the form of a checklist that will be applied **to items you have completed** on the CentOS Virtual Machine and in its Terminal interface.
2. This assignment mostly involves having an executable shell scrip
3. t with user input and command options/switches.
4. The items in the list should have been covered in the following class videos:
   1. UNIX Basic Shell Scripting - Part 1
   2. UNIX Basic Shell Scripting - Part 2
   3. UNIX Basic Shell Scripting - Part 3
   4. UNIX Basic Shell Scripting - Part 4
   5. Linux Administration: Archives & Compression
5. You may also want to check out the additional resources listed in the recent Weekly Agendas for more help if necessary.
6. On the day that the assignment is due you will demonstrate the completion of the tasks to the instructor in class and get the checklist completed/marked.
7. That’s it.

Assign7.sh -g

Which folder do you want to archive? (source)

Where do you want to save the archive? (restore)

Make “restore folder”

-in restore folder (/home/osys1000/restore/source.tar.gz)

**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- | --- |
| Item # | Item Description | Student has completed (Y/N)? |
| - | Log into CentOS |  |
| - | Make sure you are in your home folder. |  |
|  | CREATE THE FOLLOWING SCRIPT FILE IN THE SUBFOLDER THAT IS ALREADY IN YOUR PATH. |  |
| - | Create a new ***executable script file*** called **assign7\_mike.sh**. Have a comment at the top of the script file marking yourself as the author. |  |
| 1. | The script should prompt the user to enter the name of a folder to archive. | Echo “Enter the name of folder to archive”  read folder |
| 2. | The script should prompt the user to enter the name of a folder to store the archives in. | Echo “Enter the name of folder to archive in”  read folder2 |
| 3. | The script should create the folder input in step 2. | Mkdir $folder2 |
| 4. | The script run the command to TAR all of the files in the **folder specified in step 1** to a tar archive called **[folder name].tar** in the **archive folder specified in step 2**. The script should output the full path and name of the tar file created. |  |
| 5. | If the script is run with a “-z” switch, the script should compress the TAR file you created in step 4 to a **[folder name].tar.Z in the archive folder specified in step 2**. The script should output the full path and name of the .Z file created. | If [ “$1” = “-z” ]  then  tar -Zcvf $folder2/$folder.tar.Z $folder  realpath $folder2/$folder.tar.Z |
| 6. | If the script is run with a “-g” switch, the script should compress the TAR file you created in step 4 to a **[folder name].tar.gz in the archive folder specified in step 2**. The script should output the full path and name of the .gz file created. | elif [ “$1” = “-g” ]  then  tar -zcvf $folder2/$folder.tar.gz $folder  realpath $folder2/$folder.tar.gz |
| 7. | If the script is run with a “-b” switch, the script should compress the TAR file you created in step 4 to a **[folder name].tar.bz2 in the archive folder specified in step 2**. The script should output the full path and name of the .bz2 file created. | elif [ “$1” = “-j” ]  then  tar -jcvf $folder2/$folder.tar.bz2 $folder  realpath $folder2/$folder.tar.bz2  fi |
| - | \*\*\*\*\*\*\*\*\*\*\*\*End of Executable Script Directions\*\*\*\*\*\*\*\*\*\*\*\*\*\* |  |