OSYS 1000 Exercise 16

**UNIX**

# Instructions

**This exercise is a series of steps you will complete on your CentOS VM, which of course means using the Terminal interface as that is all we have. Therefore, you must have your virtual machine installed as per the “CentOS Installation” video.**

1. You will be reworking your script code from Assignment 7 (tar & compression) to use separate functions and include files while maintaining the exact same functionality in terms of the command line options (e.g. “-g” for GZIP) and user input.
2. Create a new executable script file called “ex16.sh”. (HINT: You might want to simply copy your Assignment 7 script file to create this file as you will want many of the same lines of script code).
3. Create a new executable script file called “compress\_functions.sh”.
4. Have a comment at the top of both scripts marking yourself as the author.
5. Move the code to actually perform a GZIP (.gz), BZIP2 (.bz2), or COMPRESS (.Z) into three appropriately named functions in the compress\_functions.sh file.
6. Include the compress\_functions.sh file in your ex16.sh file.
7. Call the functions in the appropriate places in your ex16.sh file.
8. Make sure the ex16.sh file works the same as the original Assignment 7 script file.
9. Post the two executable script files to the D2L Dropbox for the sixteenth in-class exercise in order to obtain credit for completing it.
10. That’s it.