Answers for Lab 7

This lab has three parts.

These three activities are three little shell programs to create and review, one called **svi.sh** and the other **uon.sh**, the other is the **case2** program on page 444. Your job is to explain what certain lines of the shell program do. The last part of this lab is to create the **command_menu** program. On the first two programs add your comments about what those lines of the code do after the # symbol, describing briefly what that particular piece of code will do in the program.

These are the two programs. Type them in vi, and replace the ???? you your comments explaining what those lines do in the program. The last **case2** program you will need to create it and run it a few times, make sure to change the ie. "You entered A" with other commands or options.

Upload your files to D2L separately (3 files), the name is not important and make sure to rename the extension to .txt before you upload each activity

Part 1

Good job

I hope that you understood the importance of documenting your programs. Please take a look at this document to understand why commenting your programs is important. Not just bash scripts, but C, C++ and other programs.Make sure to put comments on your last assignments otherwise many points will be deducted. You do not need to document every single line, but sections or lines that need a little explaining.

http://www.umich.edu/~eecs381/handouts/comments.pdf

Part 3 of this lab was just to give you an idea on how to build a menu system, similar to what you need to do for assignment 6.

The answers will vary

wmorales@syccuxfs01:~> cat svi.sh

```
#!/bin/bash
# Your name / 1-1-2014
# This program can be called super vi. It will create a backup copy of your original file before  #you open it. Once you save it there will be a copy of the original under the name keep or in a #folder called keep, if one exists.



if test $# = 1 # it tests for number of command line arguments
   then
if test -f $1 # it tests to see if the file exists

then
  cp $1 $HOME/keep #it makes a copy of the original file and name it keep or place it in a folder
#called keep
  vi $1
else
  echo " file not found.Try again"
```

```
fi
else
  echo " You must specify a file name.Try again."
fi
```

upload this first program with your comment in the lab 7 submission dropbox

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Part 2

For the first two comment lines, your name and date

```
#!/bin/bash
# Your Name
# Date
```

The lines that contain #... are comments to the program, Replace the ??? with your comments explaining what happens in that line of the program. Submit the program with your name using the following command:

wmorales@syccuxfs01:~> cat uon.sh

```
#!/bin/bash
#uon.sh: this program will check if a user in the argument $1 exists
until who | grep "$1" > /dev/null #it keeps checking if user in $1 is logged in

do sleep 30 # it waits 30 seconds before it checks again

done

echo "$1 is logged on." exit 0
```

upload this second program with your comment in the lab 7 submission dropbox

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Part 3

Create the program on page 444 called **command_menu**. Run it a few times, change options, etc. Upload it to the lab 7 submission dropbox.

See page 444. There is no right answer as long as the program runs.