Lab 3: More LINUX Shell Programming

Task 1
Use the editor to create the following file:

```
echo goodbye
whoami
echo – e " \n Sorry to see you leave"
echo – e" \n  hit return to leave"
read
exit
```

save to a file called *logoff* in a directory called *shellscripts* (you must create this in your home directory.

Make the file executable by and run it.

The read command takes information from the keyboard and stores it in the variable input1. We only use this to pause the output so we can view it. Take that line away and see how the program runs?

Task 2
The Path command

Change to your home directory /home/student and try to run logoff:
    source logoff

It will not run because the shell can't find the command.

When you type a command, your path (or PATH) variable defines in which directories the shell will look to find the command you typed. If the system returns a message saying "command: Command not found", this indicates that either the command doesn't exist at all on the system or it is simply not in your path. Above the logoff program runs only when you are in the directory that the file exists. If you are in any other directory the program will not run because the system cannot find it.

Type the following command:

    echo $PATH

    List here what the output from that command is:

If you want to run the logoff program from anywhere in the directory tree structure you have to change the PATH so that the shell will find the program.

PATH=$PATH:/home/student/shellscripts

Try running the logoff from any directory in the file system and confirm that it works.

Write down the current PATH by executing

Echo $PATH

Task 3

Conditional execution with *if...else...fi*

If given condition is true then command1 is executed otherwise command2 is executed.
Syntax:

```
if condition
then
        condition is true
        execute all commands up to else statement

else
        if condition is not true then
        execute all commands up to fi
fi
```

Type in the following

```
echo "are you ok"
echo "input Y for yes N for no"
read answer

if test "$ANSWER" = Y
then
        echo "Glad to hear it"

else

        echo "go home"

fi
```

4 Change the logoff program so that it asks you do you really wish to logoff and if you answer it logs you off otherwise it print a message saying "I'm glad your staying".

Dr. Ray Lynch