- -Cesar Vasquez
- -Lab2 Report
- -January 19, 2016

Lab Objective

- -1. Basic Shell Programming:
- -2. AWK scripting language:
- -3. Viewing Processes:
- -4. Starting New Processes:
- -5. Shell Programming Practice:

-1. Basic Shell Programming:

-The difference between './ginfo' and '.ginfo' after writing the script and setting permissions is that with './ginfo' is being executed from the current directory. And, with '.ginfo' is being executed as a system command.

-All the question of the exercises of the UDV section was done. I just had an issue with question 5 because the syntax was incorrect.

```
| lab2 — -bash — 80×48 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ x=10 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ ccho $x |
|| 10 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ xn=Rani |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ ccho $x |
|| Rani |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ expr 6 + 3 |
|| Gesars-MacBook-Pro:lab2 cesarvasquez$ x=20 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ y=5 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ expr x/y |
|| x/y |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ expr x/y |
|| xyr |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ expr x/y |
|| xyr |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ expr x/y |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ expr $x / $y |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ x=20 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ y=5 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ y=5 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ ccho $z |
|| Quotient |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ x=20 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ x=20 |
|| Cesars-MacBook-Pro:lab2 cesarvasquez$ z=20 |
|| Cesars-MacBook-MacBook-Pro:lab2 cesarvasquez$ z=20 |
|| Cesars-MacBook-MacBook-Pro:lab2 cesarvas
```

-The 'testShell.sh' script was difficult to execute. The script will run after the '. ./testShell.sh' executes, and the other dose not.



-2. AWK:

-PS reports a snap shot of the current processes.

-3. Viewing Processes:

-I studied the 'man ps' and the 'man kill'. I even went ahead and took screen shots from both guides.

-4. Starting New Processes

-Well, when the file is executed first with the 'ps –ax' code, the code is executed and exit the program automatically. Now, when the '&' is added, the code is executed and once is done, it pauses and the code is terminated once a key on the keyboard is

Press.

| lab2 — vitest_system.cpp — 80×48
| //test_system.cpp
#include <stdlib.h>
#include <iostream>
| using namespace std;
| int main() {
| cout<<"Running ps with system\n";
| system("ps -ax &");
| cout<<"Done \n";
| return 0;
| }
| ~

-5. Shell Programming Practice:

```
| lab2 --bash - 80×48 |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ vi terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ chmod 755 terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ bash terminateProcess |
| terminateProcess: line 9: unexpected EOF while looking for matching '"' |
| terminateProcess: line 11: syntax error: unexpected end of file |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ vi terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ chmod 755 terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ bash terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ bash terminateProcess |
| terminateProcess: line 9: unexpected EOF while looking for matching '"' |
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| terminateProcess: line 9: unexpected EOF while looking for matching '"' |
| / terminateProcess: line 11: syntax error: unexpected end of file |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ vi terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ vi terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ bash terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ bash terminateProcess |
| Cesars-MacBook-Pro:lab2 cesarvasquez$ //terminateProcess |
| Cesars-MacBook-Pro
```

After running the code, I did not get any process running.

Below is a pic of the code it self.

Summery:

This lab was challenging. I give my self a 20/20.