



## CYB 300 Module Two Lab Worksheet One

Andree Salvo

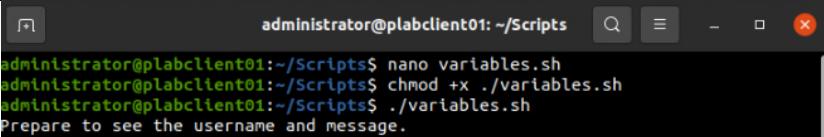
Southern New Hampshire University

CYB 300

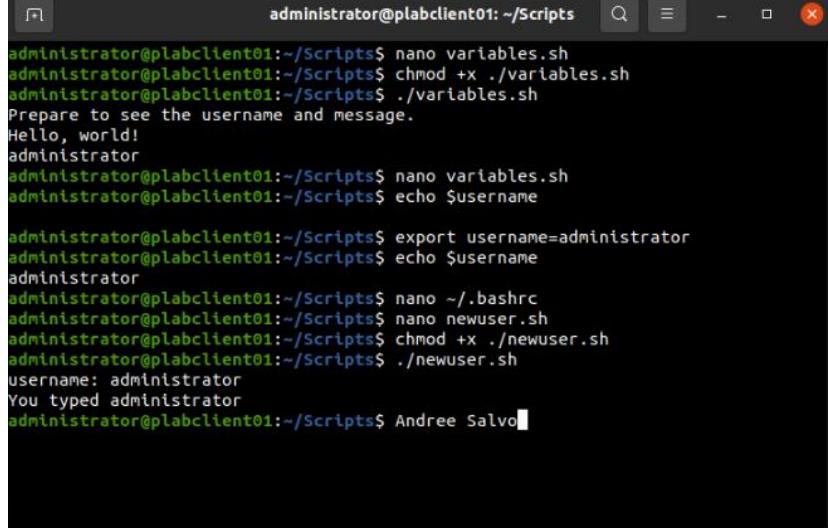
Instructor: Jason Keltner

### Lab: Linux Scripting Techniques

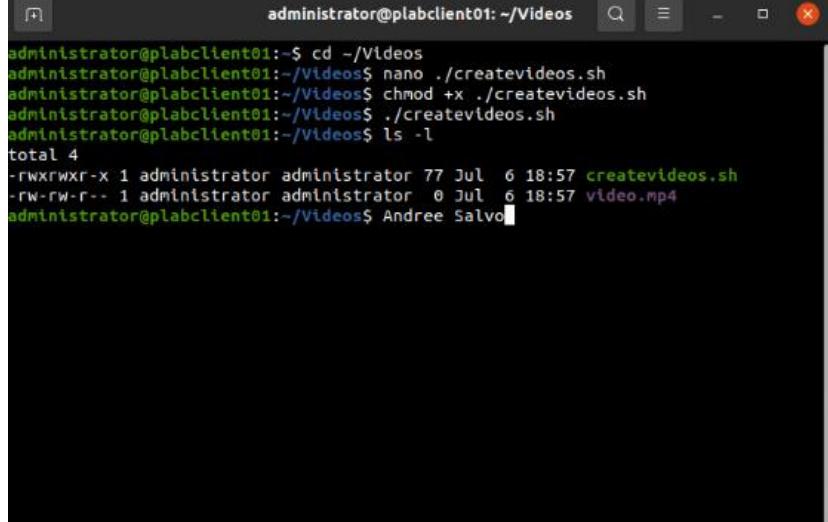
#### Exercise 3: Create a Non-Interactive Script

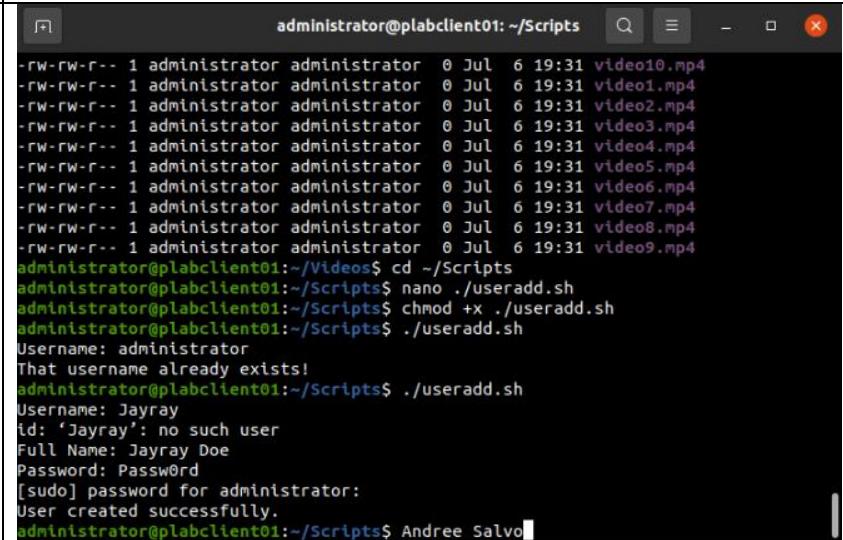
Prompt	Response
<p>Task 1: Create a “Hello, world!” Script: Provide a screenshot of <b>Step 9</b> showing successful execution of the custom script. Add your name to the command line.</p>	 <pre>administrator@plabclient01:~/Scripts\$ mkdir ~Scripts administrator@plabclient01:~/Scripts\$ cd ~Scripts administrator@plabclient01:~/Scripts\$ echo "Hello, world!" Hello, world! administrator@plabclient01:~/Scripts\$ uname Linux administrator@plabclient01:~/Scripts\$ nano ./example.sh bash: nano./example.sh: No such file or directory administrator@plabclient01:~/Scripts\$ nano ./example.sh administrator@plabclient01:~/Scripts\$ bash ./example.sh Hello, world! Linux administrator@plabclient01:~/Scripts\$ nano ./example.sh administrator@plabclient01:~/Scripts\$ Andree Salvo</pre>
<p>Task 2: Use Variables in a Script: Provide a screenshot of <b>Step 4</b> showing successful execution of the custom script. Add your name to the command line.</p>	 <pre>administrator@plabclient01:~/Scripts\$ nano variables.sh administrator@plabclient01:~/Scripts\$ chmod +x ./variables.sh administrator@plabclient01:~/Scripts\$ ./variables.sh Prepare to see the username and message. Hello, world! administrator administrator@plabclient01:~/Scripts\$ Andree Salvo</pre>

#### Exercise 4: Create an Interactive Script

Prompt	Response
<p>Task 1: Create a Script That Requires User Input: Provide a screenshot of <b>Step 4</b> showing successful execution of the custom script. Add your name to the command line.</p>	 <pre> administrator@plabclient01:~/Scripts\$ nano variables.sh administrator@plabclient01:~/Scripts\$ chmod +x ./variables.sh administrator@plabclient01:~/Scripts\$ ./variables.sh Prepare to see the username and message. Hello, world! administrator administrator@plabclient01:~/Scripts\$ nano variables.sh administrator@plabclient01:~/Scripts\$ echo \$username  administrator@plabclient01:~/Scripts\$ export username=administrator administrator@plabclient01:~/Scripts\$ echo \$username administrator administrator@plabclient01:~/Scripts\$ nano ~/.bashrc administrator@plabclient01:~/Scripts\$ nano newuser.sh administrator@plabclient01:~/Scripts\$ chmod +x ./newuser.sh administrator@plabclient01:~/Scripts\$ ./newuser.sh username: administrator You typed administrator administrator@plabclient01:~/Scripts\$ Andree Salvo </pre>

#### Exercise 5: Create Scripts Using Loops and Conditions

Prompt	Response
<p>Task 1: Create Scripts Using Loops: Provide a screenshot of <b>Step 4</b> showing successful creation of 10 videos in the “Videos” folder. Add your name to the command line.</p>	 <pre> administrator@plabclient01:~\$ cd ~/Videos administrator@plabclient01:~/Videos\$ nano ./createvideos.sh administrator@plabclient01:~/Videos\$ chmod +x ./createvideos.sh administrator@plabclient01:~/Videos\$ ./createvideos.sh administrator@plabclient01:~/Videos\$ ls -l total 4 -rwxrwxr-x 1 administrator administrator 77 Jul  6 18:57 createvideos.sh -rw-rw-r-- 1 administrator administrator  0 Jul  6 18:57 video.mp4 administrator@plabclient01:~/Videos\$ Andree Salvo </pre>

Prompt	Response
<p>Task 2: Create Scripts Using Conditions and User Interaction:      Provide a screenshot of <b>Step 7</b> showing successful execution of the custom script. Add your name to the command line.</p>	 <pre data-bbox="612 264 1455 804"> Administrator@plabclient01: ~/Scripts -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video10.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video1.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video2.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video3.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video4.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video5.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video6.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video7.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video8.mp4 -rw-rw-r-- 1 administrator administrator 0 Jul 6 19:31 video9.mp4 Administrator@plabclient01:~/Videos\$ cd ~/Scripts Administrator@plabclient01:~/Scripts\$ nano ./useradd.sh Administrator@plabclient01:~/Scripts\$ chmod +x ./useradd.sh Administrator@plabclient01:~/Scripts\$ ./useradd.sh Username: administrator That username already exists! Administrator@plabclient01:~/Scripts\$ ./useradd.sh Username: Jayray id: 'Jayray': no such user Full Name: Jayray Doe Password: Passw0rd [sudo] password for administrator: User created successfully. Administrator@plabclient01:~/Scripts\$ Andree Salvo </pre>