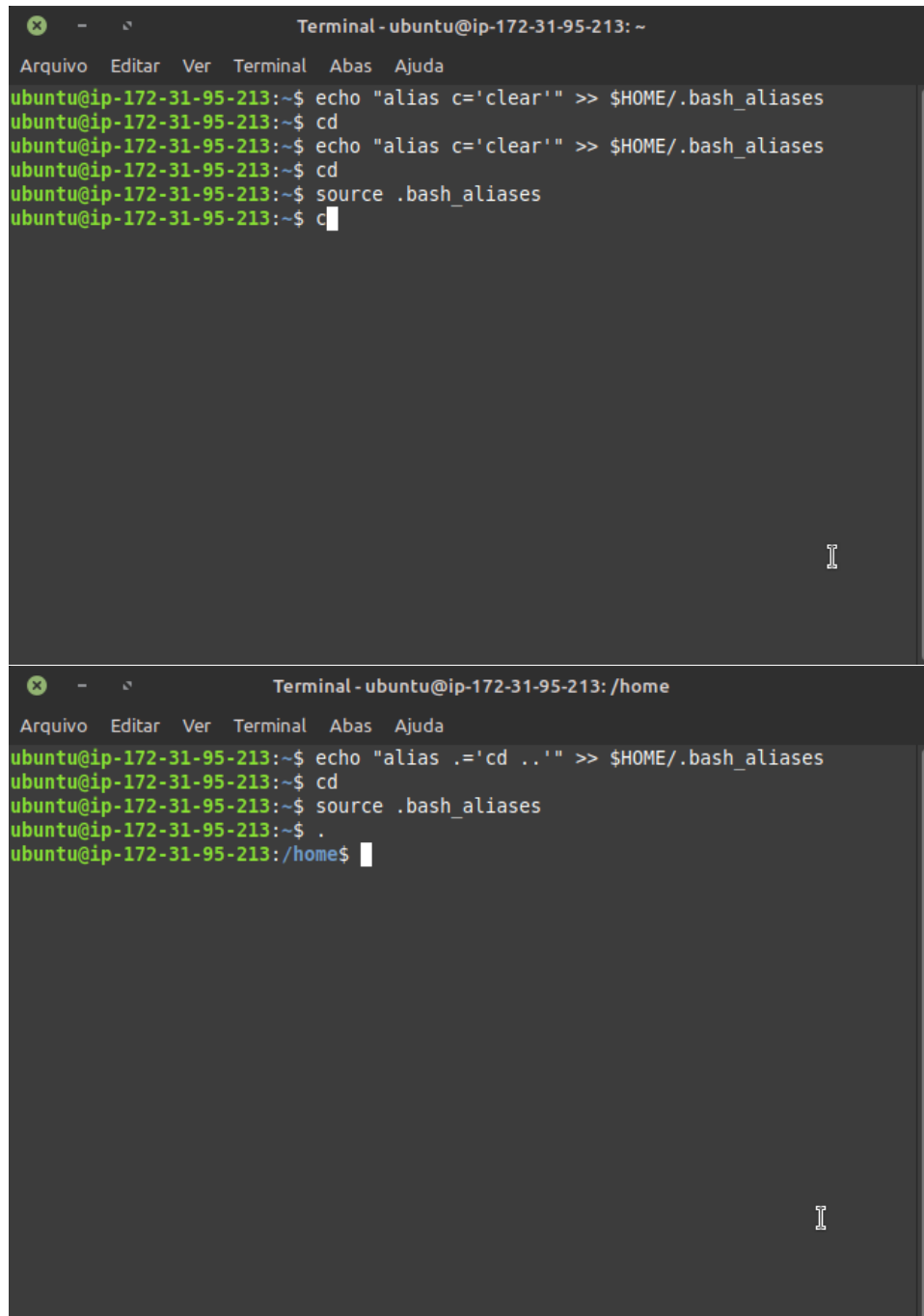


## Atividade 12 - Shell Script e Alias



The image displays two terminal windows. The top window shows the process of creating a shell alias 'c' for the 'clear' command. The bottom window shows the creation of a shell alias '.' for the 'cd ..' command, which is used to navigate to the parent directory.

```
Terminal - ubuntu@ip-172-31-95-213: ~  
Arquivo  Editar  Ver  Terminal  Abas  Ajuda  
ubuntu@ip-172-31-95-213:~$ echo "alias c='clear'" >> $HOME/.bash_aliases  
ubuntu@ip-172-31-95-213:~$ cd  
ubuntu@ip-172-31-95-213:~$ echo "alias c='clear'" >> $HOME/.bash_aliases  
ubuntu@ip-172-31-95-213:~$ cd  
ubuntu@ip-172-31-95-213:~$ source .bash_aliases  
ubuntu@ip-172-31-95-213:~$ c
```

```
Terminal - ubuntu@ip-172-31-95-213: /home  
Arquivo  Editar  Ver  Terminal  Abas  Ajuda  
ubuntu@ip-172-31-95-213:~$ echo "alias .='cd ..'" >> $HOME/.bash_aliases  
ubuntu@ip-172-31-95-213:~$ cd  
ubuntu@ip-172-31-95-213:~$ source .bash_aliases  
ubuntu@ip-172-31-95-213:~$ .  
ubuntu@ip-172-31-95-213:/home$
```

```
Terminal - ubuntu@ip-172-31-95-213: ~
Arquivo Editar Ver Terminal Abas Ajuda
ubuntu@ip-172-31-95-213:/home$ cd ~
ubuntu@ip-172-31-95-213:~$ echo "alias atualizar='sudo apt update && sudo apt up
grade'" >>$HOME/.bash_aliases
ubuntu@ip-172-31-95-213:~$ cd
ubuntu@ip-172-31-95-213:~$ source .bash_aliases
ubuntu@ip-172-31-95-213:~$ atualizar
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [11
9 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [
109 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packag
es [14.1 MB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [940
kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [186
kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata
[11.4 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages
[1085 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation
-en [5652 kB]
```

```
Terminal - ubuntu@ip-172-31-95-213: ~
Arquivo Editar Ver Terminal Abas Ajuda
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-95-213:~$ csh
Command 'csh' not found, but can be installed with:
sudo apt install csh # version 20110502-7, or
sudo apt install tcsh # version 6.21.00-1.1
ubuntu@ip-172-31-95-213:~$ sudo apt install csh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  csh
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 245 kB of archives.
After this operation, 358 kB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 csh am
d64 20110502-7 [245 kB]
Fetched 245 kB in 0s (5897 kB/s)
Selecting previously unselected package csh.
(Reading database ... 94535 files and directories currently installed.)
Preparing to unpack .../csh_20110502-7_amd64.deb ...
Unpacking csh (20110502-7) ...
Setting up csh (20110502-7) ...
```

```
Terminal - ubuntu@ip-172-31-95-213: ~
Arquivo Editar Ver Terminal Abas Ajuda
Setting up csh (20110502-7) ...
update-alternatives: using /bin/bsd-csh to provide /bin/csh (csh) in auto mode
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Restarting services...
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systemctl restart getty@tty1.service
systemctl restart networkd-dispatcher.service
systemctl restart unattended-upgrades.service
systemctl restart user@1000.service

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-95-213:~$ csh
% exit
% exit
ubuntu@ip-172-31-95-213:~$
```

```
Terminal - ubuntu@ip-172-31-95-213: ~
Arquivo Editar Ver Terminal Abas Ajuda
ubuntu@ip-172-31-95-213:~$ env
SHELL=/bin/bash
PWD=/home/ubuntu
LOGNAME=ubuntu
XDG_SESSION_TYPE=ttty
MOTD_SHOWN=pam
HOME=/home/ubuntu
LANG=C.UTF-8
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd
=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;4
4:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=01;
31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*.t7
z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.lzo
=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.
tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;3
1:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=
01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.j
pg=01;35:*.jpeg=01;35:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=0
1;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.xpm=01;35:*.tif=01;35:*.t
iff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;
35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.webp=01;35:*.
ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;3
5:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.avi=01;35:*.fli=
01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cg
```

```
Terminal - ubuntu@ip-172-31-95-213: ~
Arquivo  Editar  Ver  Terminal  Abas  Ajuda
ubuntu@ip-172-31-95-213:~$ echo $SECONDS
995
ubuntu@ip-172-31-95-213:~$ bash
bash: cd: too many arguments
ubuntu@ip-172-31-95-213:~$ ps
  PID TTY          TIME CMD
  1352 pts/0    00:00:00 bash
  14256 pts/0    00:00:00 bash
  14262 pts/0    00:00:00 ps
ubuntu@ip-172-31-95-213:~$ echo $SECONDS
56
ubuntu@ip-172-31-95-213:~$
```

```
Terminal - ubuntu@ip-172-31-95-213: ~
Arquivo  Editar  Ver  Terminal  Abas  Ajuda
ubuntu@ip-172-31-95-213:~$ echo $SECONDS
61
ubuntu@ip-172-31-95-213:~$ bash
bash: cd: too many arguments
ubuntu@ip-172-31-95-213:~$ echo $SECONDS
2
ubuntu@ip-172-31-95-213:~$ exit
exit
ubuntu@ip-172-31-95-213:~$
```

```
Terminal - ubuntu@ip-172-31-95-213: ~  
Arquivo Editar Ver Terminal Abas Ajuda  
ubuntu@ip-172-31-95-213:~$ scriptl='marise'  
ubuntu@ip-172-31-95-213:~$  
echo $scriptl  
'marise'  
ubuntu@ip-172-31-95-213:~$ bash  
bash: cd: too many arguments  
ubuntu@ip-172-31-95-213:~$ ps  
  PID TTY          TIME CMD  
 14575 pts/0    00:00:00 bash  
 14585 pts/0    00:00:00 bash  
 14598 pts/0    00:00:00 bash  
 14604 pts/0    00:00:00 ps  
ubuntu@ip-172-31-95-213:~$ echo $scriptl  
'marise'  
ubuntu@ip-172-31-95-213:~$ echo $scriptl  
'marise'  
ubuntu@ip-172-31-95-213:~$ exit  
exit  
ubuntu@ip-172-31-95-213:~$ ps  
  PID TTY          TIME CMD  
 14575 pts/0    00:00:00 bash  
 14585 pts/0    00:00:00 bash  
 14605 pts/0    00:00:00 ps  
ubuntu@ip-172-31-95-213:~$ echo $scriptl  
'marise'  
ubuntu@ip-172-31-95-213:~$ exit  
exit  
  PID TTY          TIME CMD  
 14575 pts/0    00:00:00 bash  
 14606 pts/0    00:00:00 ps  
logout  
Connection to ec2-44-211-169-44.compute-1.amazonaws.com closed.  
mike@mike-MacBookAir:~/Área de Trabalho/SP-Tech/2º Semestre/Sistemas Operacionais$ ssh -i "Alias.pem" ubuntu@ec2-44-211-169-44.compute-1.amazonaws.com  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-1012-aws x86_64)  
  
 * Documentation:  https://help.ubuntu.com  
 * Management:    https://landscape.canonical.com  
 * Support:       https://ubuntu.com/advantage  
  
System information as of Tue Nov  7 00:10:53 UTC 2023  
  
System load:  0.0          Processes:      109  
Usage of /:   8.7% of 24.05GB  Users logged in:  0  
Memory usage: 0%          IPv4 address for eth0: 172.31.95.213  
Swap usage:   0%  
  
 * Ubuntu Pro delivers the most comprehensive open source security and compliance features.  
  
https://ubuntu.com/aws/pro  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
*** System restart required ***  
Last login: Tue Nov  7 00:15:59 2023 from 131.72.61.70  
-bash: cd: too many arguments  
ubuntu@ip-172-31-95-213:~$ export scriptl  
ubuntu@ip-172-31-95-213:~$ bash  
bash: cd: too many arguments  
ubuntu@ip-172-31-95-213:~$ ps  
  PID TTY          TIME CMD  
 14604 pts/0    00:00:00 bash  
 14673 pts/0    00:00:00 bash  
 14679 pts/0    00:00:00 ps  
ubuntu@ip-172-31-95-213:~$ echo $scriptl  
export scriptl  
ubuntu@ip-172-31-95-213:~$  
ubuntu@ip-172-31-95-213:~$ sudo useradd Michael_01231186  
ubuntu@ip-172-31-95-213:~$ sudo passwd Michael_01231186  
New password:  
Retype new password:  
passwd: password updated successfully
```