BASIC UNIX COMMAND LINE ASSIGNMENT

I

1) 15

2) 15-1

3) ds-dh

4) 18-a

5) US-S

6) 18-1t

7) where is

(S) cd

a) env

10) echo

11) echo \$PATH

12) Yes

13) NO

14) whoami

15) su -user_name

16) eait

17) reebot

18) shuldown [option] [Time]

19) uname -Y

20) uname - 13 m 21) uname 22) mon cenceme 23) pwd 24) cd/dir-name 26) cd .. 26) cd -27) cd ~ 28) history 29) ~/. bashre Sile 30) 1000, to change the number we must change the value of the \$HISTSIZE cend \$ HIST FILE SIZE variable 31) we can modify bash's history behaviour

by changing the N. bushrc Sile.

32) wh errow key

- 33) Different types of shell
 - -> Bourne shell: It's the preferred shell for shell programming because of its compactness and speed
 - -> C shell: Incoperated features such as alias and history also built-in arithmetic and c like expression significan
 - -> korn Shell: Its a safarsél of Boarne shell. features comparable to a shell. Runs script coritten sor boarne shell.
 - -> Bourne Again shell: Incoperate features from the Korn and Cshell. Compatible to the Bourne shell (BASti)
- 34) A login shell in started abler a successful login. Login shell in the first process that executes under our user 10 when we log into a session. A non-login shell is started by a program without a login. The program just passes the name of the shell executable.

- login shell it first reach and exce commands from the file let c/prosile, if that sile exists. After that it looks for ~/. bush-profile, ~/. bush-login, and ~/.profile in that order
- 36) when a non-login shell is started, bash reads and executes commands from ~1. bash a,
- 37) Shell contiguration tiles are the files which are centomatically exe. when you log in and log out of a shell. They initialize and configure a shell whom login and herform cleance of abercations whom logot.

39) Shell variable is a veriable that is set the shell and a required by the shell in order to function correctly -> history (command history) -> LANG (Set the locale) -> LPDEST (cesers defacett printos) -> MAIL (asers mail) MANPATH (hierarchées of meen paege) 40) printenv 41) env lsort 42) new_var = value 44) Local variables has scope only within the file that is declared Global can be accessed by one program stared by the torminal session. x5) Quoting as circle the remove this special measuring of certain charavates to the shell of disables special type almost for special chars

48) It's the feature that is used to match specific pattern. Its mainly used to match silenames or content ion a Sile. 49) Is-I + x.sh 660) ls-l [0-a] # 61) 18-1 [Ca-z] * [0-4] 29) 72-6 jjjjj 63) Quoting is used to remove special meaning of certain characters to the shell. It disables special treatment of special characters 54) louble garating -> to print Hello world echo Hello. world Hello world -) echo "Hello world" Hello world escape characters To print " within an echo; echo "Hi \" io hello" Hi" hello

Single quoting

-> secho "secho" ug")"

secho secho "ug")

\$ (echo "ug")

55) find: is ened to search lag a particular criteria and also menipulate tiles locate: is used to scan the whole system quickly for something

cohereis: simply returns the location of the caecutables, man pages & the source of a prog

56) Globbing is used to find pattern occurrent while, find, locate & where is gives the by name touch was file by name.

57) Linua sile system: is used for data management. It helps to arrange file on the cliskstorage. The file system has a hierarchal structure as it contains root clivectory and its subclivectory. All directories can be accessed from root directory.

(8) An absolute path specific location of a fice or directory from the root directory. A relative path is defined as a path related the prod. 59)-stouch: Stouch Silmanu creates a new tile reat: scat > Silename if filename doesn't exists, then a new file is created -> echo: & echo "Hi" > Silename is Silename is not there than its crecited -) wim: & vim Silename the text editor creates a new sile is doesn't exist.

60) sym & & Sile-nceme 3 firm file-ncemo -> removes the file rm {f-1} {f-2} \$rm 5_1 5_2 removes multiple files -) unlink & file-name? Sanlink Sile-new removes single file hermanently 61) stor cf . file.tor new.txt -> creates a tar file sile.tar & archives new.txt \$ far of new.tar #.txt -> archives all .fat fily. 62) \$ tax xf necotar # .txt sextrads all a.txt files from & new ta (6) gnome - terminal -x bash -c

46) store the variable in /etclenvironment

file

47) export new = 5

eacho \$new

-> 5

ss) files in unix System are organized into multilare I hierarchy structure known as a directory tree. At the very top of the file system in directory called rooss which in represented by a "1". Hu other files are descended by a "1". Hu

```
[ec2-user@ip-172-31-46-226 ~]$ ls -a
. . . .bash_logout .bash_profile .bashrc .ssh
[ec2-user@ip-172-31-46-226 ~]$ ls -al
total 12
drwx----- 3 ec2-user ec2-user 74 Nov 11 12:06 .
drwxr-xr-x 3 root root 22 Nov 11 12:06 ..
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15 2020 .bash_logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15 2020 .bash_profile
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15 2020 .bashrc
drwx----- 2 ec2-user ec2-user 29 Nov 11 12:06 .ssh
[ec2-user@ip-172-31-46-226 ~]$ ls -as
total 12
0 . 0 . 4 .bash_logout 4 .bash_profile 4 .bashrc 0 .ssh
```

```
[ec2-user@ip-172-31-46-226 ~]$ ls -lat
total 12
drwx----- 3 ec2-user ec2-user 74 Nov 11 12:06 .
drwx----- 2 ec2-user ec2-user 29 Nov 11 12:06 .ssh
drwxr-xr-x 3 root
                                 22 Nov 11 12:06 ...
                      root
-rw-r--r-- 1 ec2-user ec2-user 18 Jul 15
                                             2020 .bash logout
-rw-r--r-- 1 ec2-user ec2-user 193 Jul 15
-rw-r--r-- 1 ec2-user ec2-user 231 Jul 15
                                             2020 .bash_profile
                                            2020 .bashrc
[ec2-user@ip-172-31-46-226 ~]$ whereis
Usage:
whereis [options] [-BMS <dir>... -f] <name>
ocate the binary, source, and manual-page files for a command.
Options:
            search only for binaries
- b
 -B <dirs> define binaries lookup path
            search only for manuals and infos
-M <dirs> define man and info lookup path
            search only for sources
 -S <dirs> define sources lookup path
            terminate <dirs> argument list
 - f
            search for unusual entries
 - u
            output effective lookup paths
For more details see whereis(1).
```

```
[ec2-user@ip-172-31-46-226 ~]$ echo $PATH
/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/ec2-user/.local/bin:/home/ec2-user/bin
[ec2-user@ip-172-31-46-226 ~]$ whoami
ec2-user
[ec2-user@ip-172-31-46-226 ~]$ uname -r
4.14.248-189.473.amzn2.x86_64
[ec2-user@ip-172-31-46-226 ~]$ uname -m
x86_64
[ec2-user@ip-172-31-46-226 ~]$ pwd
/home/ec2-user
[ec2-user@ip-172-31-46-226 ~]$ cd~
-bash: cd~: command not found
[ec2-user@ip-172-31-46-226 ~]$ cd ~
[ec2-user@ip-172-31-46-226 ~]$ cd ~
[ec2-user@ip-172-31-46-226 ~]$ cd ~
[ec2-user@ip-172-31-46-226 ~]$ cd ~
```

```
[ec2-user@ip-172-31-46-226 ~]$ history
    1
       ls -a
    2
       ls -al
    3
       ls -as
    4
       ls -lt
    5
        ls -lat
    6
      whereis
    7
       \mathsf{cd}
    8
       env
    9
       clear
   10
      echo $PATH
   11
       whoami
   12
      uname -r
   13
      uname -m
   14
      pwd
   15
      cd~
   16 cd ~
   17
       clear
   18 history
[ec2-user@ip-172-31-46-226 ~]$ ■
```