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→

SEARCH SHELL-SCRIPTING-LAB

EXPLORER

SHELL-SCRIPTING-LAB

assignment 4

assignment 6

assign6.sh

output.txt

assignment 0

assignment 1

assignment 2

assignment 3

assignment 5

assignment 8

assignmnet 7

assign7.sh

more.png

nice.png

output7.txt

passwd.png

pr.png

rlogin.png

rsh.png

talk.png

uname.png

wc.png

write.png

README.md

testingfile1.txt

assign6.sh

output.txt

assign7.sh U

output7.txt U

assignmnet 7 > assign7.sh

1

#!/bin/bash

2

3

more - Display contents of a file one screen at a time

4

echo "Displaying contents of file.txt using 'more' command:"

5

more file.txt

6

7

nl - Number lines of files

8

echo "Numbering lines of file.txt using 'nl' command:"

9

nl file.txt

10

11

nice - Run a command with modified scheduling priority

12

echo "Running 'nice' command to execute 'ls' with adjusted priority:"

13

nice -n 10 ls

14

15

passwd - Change user password

16

echo "Changing user password with 'passwd' command:"

17

passwd

18

19

--commented out coz it will try to change password everytime so

20

21

22

23

pr - Format file for printing

24

echo "Formatting file.txt for printing using 'pr' command:"

25

pr file.txt

26

27

rlogin - Remote Login

28

echo "Starting remote login session using 'rlogin' command:"

29

rlogin remote_host

30

31

rcp - Copy files between hosts

32

echo "Copying file.txt from remote_host to local machine using 'rcp' command:"

33

rcp remote_host:file.txt .

34

35

rsh - Remote shell

36

echo "Executing remote command on remote host using 'rsh' command:"

main*

Run Testcases

0 0 0

Ln 18, Col 1

Spaces: 4

UTF-8

LF

Shell Script

Llama Coder

Go Live

Tabnine: Sign-in is required

Prettier



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-06

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-06$ bash more.sh
```

```
This is line 1.
```

```
This is line 2.
```

```
This is line 3.
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-06$
```



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x nice.sh
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./nice.sh ls
```

```
example.txt  more.png  more.sh  nice.sh  nl.png  nl.sh
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```




```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x passwd.sh
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./passwd.sh student
Changing password for student.
Current password:
New password:
Retype new password:
Password unchanged
New password:
Retype new password:
Password unchanged
New password:
Retype new password:
Password unchanged
passwd: Authentication token manipulation error
passwd: password unchanged
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```



```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x pr.sh
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./pr.sh example.txt
```

2024-04-03 15:50

example.txt

Page 1

```
This is line 1.
This is line 2.
This is line 3.
```



```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x rlogin.sh
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./rlogin.sh 172.50.11.125
The authenticity of host '172.50.11.125 (172.50.11.125)' can't be established.
ECDSA key fingerprint is SHA256:HiQXCv7iSQ5aYEhHmr7/n5q0H4RieqWSeyr7dnCECRs.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.50.11.125' (ECDSA) to the list of known hosts.
student@172.50.11.125's password:
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.15.0-46-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

444 updates can be applied immediately.
365 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Wed Mar 20 15:52:56 2024 from 172.50.10.69
student@66:~$
```




```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ bash rsh.sh
```

```
mkdir: cannot create directory 'example_directory': File exists
```

```
Directory contents:
```

```
total 0
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 file1.txt
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 file2.txt
```

```
Updated directory contents:
```

```
total 0
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 copied_file.txt
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 file1.txt
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 file2.txt
```

```
Updated directory contents after moving file2.txt:
```

```
total 0
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 copied_file.txt
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 file1.txt
```

```
-rw-rw-r-- 1 student student 0 Apr  3 16:09 moved_file.txt
```

```
Executing 'ls' command remotely...
```

```
1.a68g
```

```
2.a68
```

```
2.sml
```

```
9212546
```

```
all
```

```
anaconda3
```

```
CN-Labs
```

```
COP_290_Lab3-main
```

```
crc.cpp
```

```
Desktop
```

```
Documents
```

```
Downloads
```

```
eclipse
```

```
eclipse-workspace
```

```
exam
```

```
Fibonacci.sh.save
```

```
hadoop-3.3.6
```

```
juytnh.py
```

```
kamal.c
```

```
lab exam codes
```

```
Music
```

```
Pictures
```

```
practice
```

```
program.py
```

```
Public
```

```
__pycache__
```

```
python lab.py
```

```
python.py
```

```
snap
```

```
spanning tree 622123.py
```

```
Templates
```

```
text1.txt
```

```
Videos
```

```
vishnu1
```

```
wekafiles
```

```
y.tab.c
```

```
rmdir: failed to remove 'example_directory': Directory not empty
```

```
Files and directory removed.
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```




```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ sudo apt-get install talk
```

```
[sudo] password for student:
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
The following packages were automatically installed and are no longer required:
```

```
  libwireshark14 libwiretap11 libwsutil12
```

```
Use 'sudo apt autoremove' to remove them.
```

```
Suggested packages:
```

```
  talkd
```

```
The following NEW packages will be installed:
```

```
  talk
```

```
0 upgraded, 1 newly installed, 0 to remove and 543 not upgraded.
```

```
Need to get 19.2 kB of archives.
```

```
After this operation, 56.3 kB of additional disk space will be used.
```

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 talk amd64 0.17-16 [19.2 kB]
```

```
Fetch: 19.2 kB in 2s (12.7 kB/s)
```

```
Selecting previously unselected package talk.
```

```
(Reading database ... 221400 files and directories currently installed.)
```

```
Preparing to unpack .../talk_0.17-16_amd64.deb ...
```

```
Unpacking talk (0.17-16) ...
```

```
Setting up talk (0.17-16) ...
```

```
update-alternatives: using /usr/bin/netkit-ntalk to provide /usr/bin/talk (talk) in auto mode
```

```
Processing triggers for man-db (2.9.1-1) ...
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x talk.sh
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./talk.sh student
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./talk.sh student
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```



student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ bash uname.sh
```

Operating system name:

Linux

Kernel name:

ai-HP-ProDesk-600-G4-MT

Kernel release:

5.13.0-35-generic

Kernel version:

#40~20.04.1-Ubuntu SMP Mon Mar 7 09:18:32 UTC 2022

Machine hardware name:

x86_64

Processor architecture:

x86_64

Operating system version:

GNU/Linux

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```




student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x wc.sh
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./wc.sh example.txt
```

```
3 12 48 example.txt
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```




student@ai-HP-ProDesk-600-G4-MT: ~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ chmod +x write.sh
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$ ./write.sh student
```

```
write: student has messages disabled
```

```
User has messages disabled. Consider using an alternative communication method.
```

```
student@ai-HP-ProDesk-600-G4-MT:~/Desktop/422176-CHARAN/UNIX LAB/ASSIGNMENT-07$
```

```

student@m3:~/Desktop/422259/UNIX/Lab 12$ cat bash1.sh
#!/usr/bin/bash

remotes=("student@172.50.14.4" "student@172.50.13.65")

for remote in "${remotes[@]"; do
    echo "Working on Remote $remote..."
    ssh "$remote" 'bash -s' < ./bash2.sh
done
student@m3:~/Desktop/422259/UNIX/Lab 12$ cat bash2.sh
#!/usr/bin/bash

mpstat
vmstat -a
student@m3:~/Desktop/422259/UNIX/Lab 12$

```

```

student@m3:~/Desktop/422259/UNIX/Lab 12$ bash bash1.sh
Working on Remote student@172.50.14.4...
student@172.50.14.4's password:
Linux 5.15.0-84-generic (n5) 02/04/24 _x86_64_ (12 CPU)

03:37:17 PM 1ST CPU      %usr   %nice    %sys %iowait    %irq   %soft  %steal   %guest   %gnice   %idle
03:37:17 PM 1ST all      3.42    0.05    0.98    2.78    0.00    0.13    0.00    0.00    0.00    92.62
procs -----memory-----  swap--  -----io-----  -system--  -----cpu-----
 r  b   swpd   free   inact active    si   so    bi    bo    in   cs us sy id wa st
  0   0       0 11803512 2791464 1017216    0    0    68    23 191 450 3  1 93 3 0
Working on Remote student@172.50.13.65...
student@172.50.13.65's password:
Linux 5.15.0-100-generic (n1) 02/04/24 _x86_64_ (12 CPU)

03:37:20 PM 1ST CPU      %usr   %nice    %sys %iowait    %irq   %soft  %steal   %guest   %gnice   %idle
03:37:20 PM 1ST all      0.42    0.02    0.23    1.21    0.00    0.14    0.00    0.00    0.00    97.98
procs -----memory-----  swap--  -----io-----  -system--  -----cpu-----
 r  b   swpd   free   inact active    si   so    bi    bo    in   cs us sy id wa st
  0   0       0 12045772 2060836 789428    0    0    25    10 117 100 0  0 98 1 0
student@m3:~/Desktop/422259/UNIX/Lab 12$

```