Part 1:

1. mkdir linux_assignment
2. cd linux_assignment
3. mkdir Documents

Part 2:

1. touch report.txt
2. touch notes.log
3. echo "Experiment data collected on 2024-01-01" > data.csv
4. cp "Academic Catalogue.pdf" /home/prince0203/linux_assignment/Documents less "Academic Catalogue.pdf"

Part 3:

1. cp report.txt /home/prince0203/linux_assignment/Documents
2. mv notes.log server_logs.txt
3. mv data.csv Documents/
4. mkdir temp
5. rmdir temp
6. cp -r Documents/ backup/

Part 4:

1. find . -name "server_logs.txt" ./prince0203/linux_assignment/Documents/server_logs.txt

2. grep "Experiment" /home/prince0203/linux_assignment/Documents/data.csv
   Experiment data collected on 2024-01-01

3. du -h 11M ./Documents 11M .

4. chmod 600 server_logs.txt

5. chown prince2 server_logs.txt

Part 5:

1. head -n 5 server_logs.txt
2. rm -r linux_assignment

```
prince0203@WLMS-F15-PRINCE:~$ ls
iut-algorithms-lab-1a-summer-23-24
prince0203@WLMS-F15-PRINCE:~$ cd ..
prince0203@WLMS-F15-PRINCE:/home$ ls
prince0203
prince0203@WLMS-F15-PRINCE:/home$ cd prince0203
prince0203@WLMS-F15-PRINCE:~$ ls
iut-algorithms-lab-1a-summer-23-24
prince0203@WLMS-F15-PRINCE:~$ mkdir linux_assignment
prince0203@WLMS-F15-PRINCE:~$ cd linux_assignment
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ mkdir Documents
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd Documents
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ touch report.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ touch notes.log
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ echo "Experiment data collected on 2024-01-01" > data.csv
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ echo data.csv
data.csv
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cat data.csv
Experiment data collected on 2024-01-01
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cp /mnt/d/IUT/5th_Semester
cp: missing destination file operand after '/mnt/d/IUT/5th_Semester'
Try 'cp --help' for more information.
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cp /mnt/d/IUT/5th_Semester/
cp: missing destination file operand after '/mnt/d/IUT/5th_Semester/'
Try 'cp --help' for more information.
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cd /mnt/d/IUT/5th_Semester/
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ ls
'Academic Catalogue.pdf'   CSE-4503   CSE-4511              semester_routine.jpg
 Academic_Catalogue.pdf    CSE-4508   CSE-4513              v1.0-semester-wise.pdf
 CSE-4501                  CSE-4510  'Modality of the Olympiad.pdf'
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ cp "Academic Catalogue.pdf"
cp: missing destination file operand after 'Academic Catalogue.pdf'
Try 'cp --help' for more information.
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ cp "Academic Catalogue.pdf"
cp: missing destination file operand after 'Academic Catalogue.pdf'
Try 'cp --help' for more information.
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ cp "Academic Catalogue.pdf" /home/Prince0203/linux_assignment/Documents
cp: cannot create regular file '/home/Prince0203/linux_assignment/Documents': No such file or directory
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ cd /home
prince0203@WLMS-F15-PRINCE:/home$ ls
prince0203
prince0203@WLMS-F15-PRINCE:/home$ cd /mnt/d/IUT/5th_Semester/
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ cp "Academic Catalogue.pdf" /home/prince0203/linux_assignmen
t/Documents
prince0203@WLMS-F15-PRINCE:/mnt/d/IUT/5th_Semester$ cd /home
prince0203@WLMS-F15-PRINCE:/home$ cd linux_assignment
-bash: cd: linux_assignment: No such file or directory
prince0203@WLMS-F15-PRINCE:/home$ cd prince0203
prince0203@WLMS-F15-PRINCE:~$ cd linux_assignment
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd /Documents
-bash: cd: /Documents: No such file or directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd /Document
-bash: cd: /Document: No such file or directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd /Documents/
-bash: cd: /Documents/: No such file or directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ ls
```

```
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd Documents
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ less "Academic Catalogue.pdf"
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ ls
'Academic Catalogue.pdf'   data.csv   notes.log   report.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cp report.txt /home/linux_assignment/Documents
cp: cannot create regular file '/home/linux_assignment/Documents': No such file or directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cp report.txt /home/prince0203/linux_assignment/Documen
ts
cp: 'report.txt' and '/home/prince0203/linux_assignment/Documents/report.txt' are the same file
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ mv notes.log server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ ls
'Academic Catalogue.pdf'   data.csv   report.txt   server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ mv data.csv Documents
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ ls
'Academic Catalogue.pdf'   Documents   report.txt   server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ mv Documents data.csv mv data.csv /Documents
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ mv data.csv /Documents
mv: cannot move 'data.csv' to '/Documents': Permission denied
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ mv data.csv Documents/
mv: cannot move 'data.csv' to 'Documents/': Not a directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ ls
'Academic Catalogue.pdf'   data.csv   report.txt   server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ mkdir temp
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ ls
'Academic Catalogue.pdf'   data.csv   report.txt   server_logs.txt   temp
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ rmdir temp
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ ls
'Academic Catalogue.pdf'   data.csv   report.txt   server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cd ..
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd home
-bash: cd: home: No such file or directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd home/
-bash: cd: home/: No such file or directory
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd /home
prince0203@WLMS-F15-PRINCE:/home$ find server_logs.txt
find: 'server_logs.txt': No such file or directory
prince0203@WLMS-F15-PRINCE:/home$ find . -name "server_logs.txt"
./prince0203/linux_assignment/Documents/server_logs.txt
prince0203@WLMS-F15-PRINCE:/home$ grep "Experiment" /home/prince0203/linux_assignment/Documents
grep: /home/prince0203/linux_assignment/Documents: Is a directory
prince0203@WLMS-F15-PRINCE:/home$ grep "Experiment" /home/prince0203/linux_assignment/Documents/data.csv
Experiment data collected on 2024-01-01
prince0203@WLMS-F15-PRINCE:/home$ cd /home/prince0203/linux_assignment/
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ du
10880   ./Documents
10884   .
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ du -h
11M     ./Documents
11M     .
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd
prince0203@WLMS-F15-PRINCE:~$ cd /home/prince0203/linux_assignment/
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd Documents/
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ chmod 600 server_logs.txt
```

```
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ head server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ head -n 5 server_logs.txt
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cat >> server_logs.txt
wrrrrafs
war
ra
s

a
gfd
sdgdsgsd

sdg
dgs
sdg
gsdsdg
g
sdawrawsraas
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cat server_logs.txt
wrrrrafs
war
ra
s

a
gfd
sdgdsgsd

sdg
dgs
sdg
gsdsdg
g
sdawrawsraas
prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ head -n 5 server_logs.txt
wrrrrafs
war
ra
s

prince0203@WLMS-F15-PRINCE:~/linux_assignment/Documents$ cd ..
prince0203@WLMS-F15-PRINCE:~/linux_assignment$ cd ..
prince0203@WLMS-F15-PRINCE:~$ rm -r linux_assignment
prince0203@WLMS-F15-PRINCE:~$ ls
iut-algorithms-lab-1a-summer-23-24
prince0203@WLMS-F15-PRINCE:~$
```