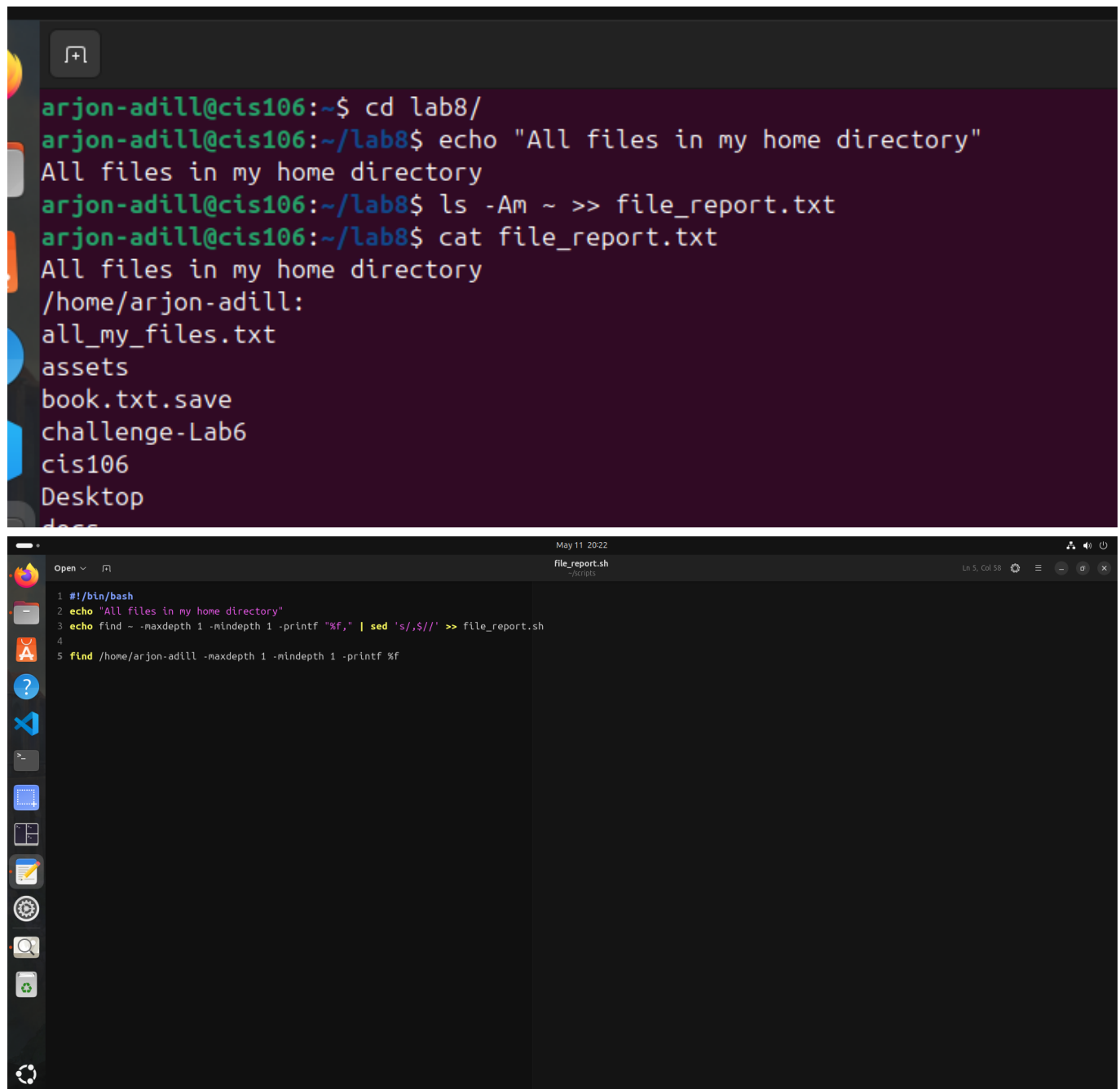


# Lab 8

---

## Question 1

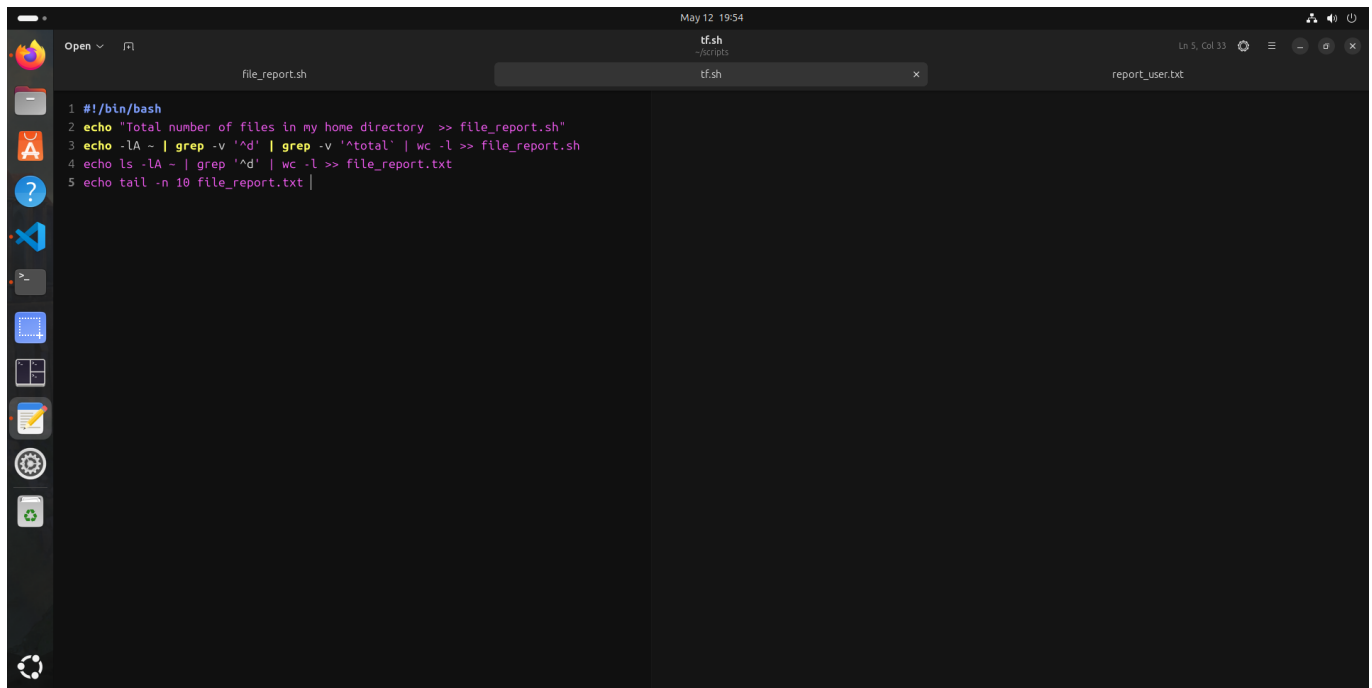


The image contains two screenshots. The top screenshot is a terminal window showing a series of commands and their outputs. The bottom screenshot is a file editor window showing the content of a script file named 'file\_report.sh'.

```
arjon-adill@cis106:~$ cd lab8/
arjon-adill@cis106:~/lab8$ echo "All files in my home directory"
All files in my home directory
arjon-adill@cis106:~/lab8$ ls -Am ~ >> file_report.txt
arjon-adill@cis106:~/lab8$ cat file_report.txt
All files in my home directory
/home/arjon-adill:
all_my_files.txt
assets
book.txt.save
challenge-Lab6
cis106
Desktop
doss
```

```
1 #!/bin/bash
2 echo "All files in my home directory"
3 echo find ~ -maxdepth 1 -mindepth 1 -printf "%f," | sed 's/,,$//' >> file_report.sh
4
5 find /home/arjon-adill -maxdepth 1 -mindepth 1 -printf %f
```

## Question 2



```
1 #!/bin/bash
2 echo "Total number of files in my home directory >> file_report.sh"
3 echo -lA ~ | grep -v '^d' | grep -v '^total' | wc -l >> file_report.sh
4 echo ls -lA ~ | grep '^d' | wc -l >> file_report.txt
5 echo tail -n 10 file_report.txt |
```

### Question 3



```
arjon-adill@cis106:~$ awk -F: '{ print $1 }' /etc/passwd
root
daemon
bin
sys
sync
games
map

arjon-adill@cis106:~$ awk -F: '{ print $1, $NF }' /etc/passwd
root /bin/bash
daemon /usr/sbin/nologin
bin /usr/sbin/nologin
sys /usr/sbin/nologin
sync /bin/sync
games /usr/sbin/nologin
```

```

napd-range-524288-root /usr/bin/false
nap_daemon /usr/bin/false
boxadd /bin/false
rjon-adill@cis106:~$ awk -F: '{ print $1, $6, $7 }' /etc/passwd
oot /root /bin/bash
aemon /usr/sbin /usr/sbin/nologin
in /bin /usr/sbin/nologin
ys /dev /usr/sbin/nologin
ync /bin /bin/sync

cis106:~$ awk -F: '{ print "The user:", $1, "logs in with:", $7, "and is home dir is:", $6 }' /etc/passwd > report_users.txt
cis106:~$ grep '/bin/bash' /etc/passwd | awk -F: '{ print $1 " = " $7 }' >> report_users.txt
cis106:~$
cis106:~$
cis106:~$
cis106:~$
cis106:~$

```

## Question 4

```

May 12 19:19
arjon-adill@cis106: ~/Documents/Csv
arjon-adill@cis106:~/Documents/Csv$ sudo apt update
sudo apt install bat
Hit:1 http://us.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 https://packages.microsoft.com/repos/code stable InRelease
Hit:4 http://us.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
122 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libboost-program-options1.83.0
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  libgit2-1.7 libhttp-parser2.9
The following NEW packages will be installed:
  bat libgit2-1.7 libhttp-parser2.9
0 upgraded, 3 newly installed, 0 to remove and 122 not upgraded.
Need to get 2,884 kB of archives.
After this operation, 6,679 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu noble/main amd64 libhttp-parser2.9 amd64 2.9.4-6build1 [22.3 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu noble/main amd64 libgit2-1.7 amd64 1.7.2+ds-1ubuntu3 [529 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu noble/universe amd64 bat amd64 0.24.0-1build1 [2,333 kB]
Fetched 2,884 kB in 0s (8,664 kB/s)
Selecting previously unselected package libhttp-parser2.9:amd64.
(Reading database ... 238203 files and directories currently installed.)
Preparing to unpack .../libhttp-parser2.9_2.9.4-6build1_amd64.deb ...
Unpacking libhttp-parser2.9:amd64 (2.9.4-6build1) ...
Selecting previously unselected package libgit2-1.7:amd64.
Preparing to unpack .../libgit2-1.7_1.7.2+ds-1ubuntu3_amd64.deb ...
Unpacking libgit2-1.7:amd64 (1.7.2+ds-1ubuntu3) ...
Selecting previously unselected package bat.
Preparing to unpack .../bat_0.24.0-1build1_amd64.deb ...
Unpacking bat (0.24.0-1build1) ...
Setting up libhttp-parser2.9:amd64 (2.9.4-6build1) ...
Setting up libgit2-1.7:amd64 (1.7.2+ds-1ubuntu3) ...
Setting up bat (0.24.0-1build1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
arjon-adill@cis106:~/Documents/Csv$ batcat Honda3.csv
File: Honda3.csv
1 model,cylinders,hp
2 Honda_Civic,4,97.00
3 Honda_Civic CVCC,4,53.00
4 Honda_Civic,4,53.00
5 Honda_Accord CVCC,4,68.00
6 Honda_Civic CVCC,4,60.00
7 Honda_Accord LX,4,68.00
8 Honda_Civic 1500 gl,4,67.00
9 Honda_Accord,4,72.00
10 Honda_Civic 1300,4,60.00
11 Honda_Prelude,4,75.00
12 Honda_Accord,4,75.00
13 Honda_Civic,4,67.00
14 Honda_Civic (auto),4,67.00
arjon-adill@cis106:~/Documents/Csv$

```

# Challenge

