• Use Linux command to print the output of uptime of your server to the terminal and at the same time write the output to a file using one command. (hint: use pipe |).

```
Irootefee6BlsC4701 - | McKir advance_command_lab
[Tootefee6BlsC4701 - | McKir advance_command_lab
[Tootefee6BlsC4701 - | McKir advance_command_lab; echo ' Ali, 1, Riyadh;'; echo ' Saad, 2, Jeddah;'; echo ' Waleed, 3, Dammam;'; echo ' Noura, 4, Makkah;'; echo ' Sarah, 5, Yanbu;'; >> students.csv'; echo ' Ali-Ahmad;'; echo ' Ali-Ahmad; echo ' Moura, 4, al-dammam;'; echo ' Waleed-Fahad;'; echo ' Noura-Saad;'; echo ' Sarah-Mohammed;'; >> names.csv; (echo ' Ali, 1, Dammamm;'; echo ' Saad, 2, Dammam;'; echo ' Wale ed, 3, Al-Dammam;'; echo ' Noura, 4, al-dammam;'; echo ' Sarah, 5, al-dammam;'; >> raw_data.csv;
[Tooteffee6BlsC4701 advance_command_lab] uptime | teeu uptime_outure_taxt
[10:41:13 up 1 day, 18:23, @ users, load average: 0.08, 0.01, 0.00
```

• Use Linux command to sort the content of csv file we created earlier (students.csv) and update the file with the sorted data.

```
[FrootEf6e68blc4781 advance_command_lab]# sort -t ',' -k 1 -o students.csv students.csv
[FrootEf6e68blc4781 advance_command_lab]# cat students.csv
Ali, 1, Riyach;
Nours, 4, Makkah;
Saad, 2, Jaddah;
Sarah, 5, Yanbu;
Waleed, 3, Damman;
[rootEf6e68blc4781 advance_command_lab]#
```

• Use cut command to concat the first and last name and add space in between and semicolon at the end of the records in the csv file we created earlier (names.csv) and save the content to another file called **full_name.csv**.

```
[rootef6ed8blc4791 advance_command_lab]# cut =d ';' =f 1 names.csv | awk =F '-' '{ print $1 " $2 ";" }' > full_name.csv
[rootef6ed8blc4791 advance_command_lab]# cut =d ';' =f 1 names.csv | awk =F '-' '{ print $1 " $2 ";" }' > full_name.csv

Dash: full_name.csv: command_lab]# cat full_name.csv
Ali Ahmacd
```

• Use only the **sed** command or do all the changes in one line to clean the data in the csv file we created earlier (raw_data.csv). To clean the data unify the city name to **Dammam**.

```
[root@fee6Bblc47@1 advance_command_lab]# sed 's/,*,/, Dammam,/' raw_data.csv > cleaned_data.csv
[root@fee6Bblc47@1 advance_command_lab]# cat cleaned_data.csv
Ali, Dammam, Dammam;
Saad, Dammam, Dammam;
Ali, Dammam, Dammam;
Noura, Dammam;
Ali, Dammam, Al-dammam;
Noura, Dammam;
Noura, Dammam, al-dammam;
Noura, Dammam, al-dammam;
```