

Futun farran

Setup:

In **kali** user run these commands

```
cd ~ ;mkdir advance_command_lab;cd 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-Khaled;'; echo ' Waleed-Fahad;'; echo ' Noura-Saad;'; echo ' Sarah-Mohammed;'; } >> names.csv; { echo ' Ali, 1, Dammam;'; echo ' Saad, 2, Dammam;'; echo ' Waleed, 3, Al-Dammam;'; echo ' Noura, 4, al-dammam;'; echo ' Sarah, 5, al-dammam;'; } >> raw_data.csv;
```

```
[root@a3f04f2bafbf /]# cd ~
[root@a3f04f2bafbf ~]# mkdir advance_command_lab;cd 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-Khaled;'; echo ' Waleed-Fahad;'; echo ' Noura-Saad;'; echo ' Sarah-Mohammed;'; } >> names.csv; { echo ' Ali, 1, Dammam;'; echo ' Saad, 2, Dammam;'; echo ' Waleed, 3, Al-Dammam;'; echo ' Noura, 4, al-dammam;'; echo ' Sarah, 5, al-dammam;'; } >> raw_data.csv;
[root@a3f04f2bafbf advance_command_lab]# ls
names.csv  raw_data.csv  students.csv
```

Tasks:

- 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 |).

```
[root@a3f04f2bafbf advance_command_lab]# uptime | tee output.txt
10:47:33 up 4:51, 0 users, load average: 0.23, 0.08, 0.02
[root@a3f04f2bafbf advance_command_lab]# ls
names.csv  output.txt  raw_data.csv  students.csv
[root@a3f04f2bafbf advance_command_lab]# cat output.txt
10:47:33 up 4:51, 0 users, load average: 0.23, 0.08, 0.02
```

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

```
[root@a3f04f2bafbf advance_command_lab]# cat students.csv
Ali, 1, Riyadh;
Saad, 2, Jeddah;
Waleed, 3, Dammam;
Noura, 4, Makkah;
Sarah, 5, Yanbu;
[root@a3f04f2bafbf advance_command_lab]# sort students.csv -o students.csv
[root@a3f04f2bafbf advance_command_lab]# cat students.csv
Ali, 1, Riyadh;
Noura, 4, Makkah;
Saad, 2, Jeddah;
Sarah, 5, Yanbu;
Waleed, 3, Dammam;
```

- 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**.

```
[root@a3f04f2bafbf advance_command_lab]# cut -d, -f 1,2 names.csv | tr ',' ' '
'| sed 's/-/ /' > full_name.csv
[root@a3f04f2bafbf advance_command_lab]# cat full_name.csv
Ali Ahmad;
Ali Khaled;
Waleed Fahad;
Noura Saad;
Sarah Mohammed;
```