

```
[root@990079f43372 advance_command_lab]# sort students.csv -o students.csv
[root@990079f43372 advance_command_lab]# cat students.csv
Ali, 1, Riyadh;
Noura, 4, Makkah;
Saad, 2, Jeddah;
Sarah, 5, Yanbu;
Waleed, 3, Dammam;
[root@990079f43372 advance_command_lab]# sort -t ',' -k 2 students.csv -o students.csv
[root@990079f43372 advance_command_lab]# cat students.csv
Ali, 1, Riyadh;
Saad, 2, Jeddah;
Waleed, 3, Dammam;
Noura, 4, Makkah;
Sarah, 5, Yanbu;
[root@990079f43372 advance_command_lab]#
```



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```
[root@999079f43372 advance_command_lab]# cat raw_data.csv
Ali, 1, Damnam;
Saad, 2, Damnam;
Waleed, 3, Al-Damnam;
Noura, 4, al-damnam;
Sarah, 5, al-damnam;
[root@999079f43372 advance_command_lab]# sed 's/[^,]*,\(.*\)Damnam,\1/' raw_data.csv
sed: -e expression #1, char 24: unterminated 's' command
[root@999079f43372 advance_command_lab]# cat raw_data.csv
Ali, 1, Damnam;
Saad, 2, Damnam;
Waleed, 3, Al-Damnam;
Noura, 4, al-damnam;
Sarah, 5, al-damnam;
[root@999079f43372 advance_command_lab]# sed 's/[^,]*,\(.*\)Damnam,\1/' raw_data.csv
>
> ^C
[root@999079f43372 advance_command_lab]# sed 's/[^,]*,\(.*\)Damnam,\1/' raw_data.csv
> sed 's/[^,]*,\(.*\)Damnam,\1/' raw_data.csv
[root@999079f43372 advance_command_lab]# sed 's/[^,]*,\(.*\)Damnam,\1/' raw_data.csv
Damnam, 1, Damnam;
Damnam, 2, Damnam;
Damnam, 3, Al-Damnam;
Damnam, 4, al-damnam;
Damnam, 5, al-damnam;
[root@999079f43372 advance_command_lab]#
```

```
[root@990679f43372 advance_command_lab]# cat names.csv
Ali-Ahmad;
Ali-Khaled;
Waleed-Fahad;
Moura-Saad;
Sarah-Mohammed;
[root@990679f43372 advance_command_lab]# ls
full_name.csv  names.csv  output.txt  raw_data.csv  students.csv
[root@990679f43372 advance_command_lab]# cat full_name.csv
Ali-Ahmad; ;
Ali-Khaled; ;
Waleed-Fahad; ;
Moura-Saad; ;
Sarah-Mohammed; ;
[root@990679f43372 advance_command_lab]#
```



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