

CS 3424 Quiz 5

(1)

- each line in the input file contains the following fields in this order:

lastname, firstname, section, assignment, grade.

- given a list of grades in the input file **grades.txt**, create an **awk** script which prints only the student's name (**first** then **last**), **grade**, and **assignment number** for the *section number specified on the cmd-line*.

- lastly, print the average grade and the number of failing grades (≤ 60) for the section number specified on the cmd-line. assume names do not have spaces.

grades.txt:

```
Adams, John, 2, 1, 30
Addams, Gomez, 3, 3, 80
Allen, Tim, 2, 1, 90
Ball, Lucille, 3, 2, 76
Buscemi, Steve, 3, 1, 80
Busey, Gary, 1, 3, 43
Cage, Nicolas, 2, 5, 110
```

output for section 1:

Gary Busey - 43 - 3

Fails = 1

Average Grade = 43

Script.awk

[illegible]

Outputs

```
tfe646@fox01:~/UTSA-CS/CS3424 - Sys Prog/Quiz5$ cat grades.txt
Adams, John, 2, 1, 30
Addams, Gomez, 3, 3, 80
Allen, Tim, 2, 1, 90
Ball, Lucille, 3, 2, 76
Buscemi, Steve, 3, 1, 80
Busey, Gary, 1, 3, 43
Cage, Nicolas, 2, 5, 110
tfe646@fox01:~/UTSA-CS/CS3424 - Sys Prog/Quiz5$ awk -v section=1 -f script.awk grades.txt
Gary Busey - 43 - 3
Fails = 1
Average Grade = 43
tfe646@fox01:~/UTSA-CS/CS3424 - Sys Prog/Quiz5$ awk -v section=2 -f script.awk grades.txt
John Adams - 30 - 1
Tim Allen - 90 - 1
Nicolas Cage - 110 - 5
Fails = 1
Average Grade = 76.6667
tfe646@fox01:~/UTSA-CS/CS3424 - Sys Prog/Quiz5$ awk -v section=3 -f script.awk grades.txt
Gomez Addams - 80 - 3
Lucille Ball - 76 - 2
Steve Buscemi - 80 - 1
Fails = 0
Average Grade = 78.6667
tfe646@fox01:~/UTSA-CS/CS3424 - Sys Prog/Quiz5$
```