

Exam 1 Practice Exercise

Download the grades.txt file from MyCourses. The file is a fictional list of students and their grades on four assignments. Spaces are used to separate each field, and a header is provided at the start of the file:

```
$ head -n 4 grades.txt
Firstname Lastname Assignment1 Assignment2 Assignment3 Assignment4
Nelli Lakso 87 15 42 100
Austin Mitchell 89 100 1 65
Mihajlo Mihajlović 35 62 89 39
```

Write a bash script that performs the following:

- Iterates over each line of the file, excluding the header line
- Calculates the class average for each student based on their current assignments (each assignment has an equal weight)
 - Output the first name, last name, and average for each student to a file called "class_averages.txt".
 - If the student's average is below 75%, then output a message: "Warning, student John Doe has an average of 60%"
 - If the student's average is below 85%, then output a message: "Congrats, student John Doe has an average of 98%"
- Calculates the overall class average
- Prints the overall class average at the end of the script before exiting