

## **Professional Practices Short Course – Candidate Assessment**

A college professor needs a simple program that will grade her students based on their marks at the end of each semester. The professor updates a csv (comma separated value) format file with each student's percentage score for respective modules and runs a program that computes the student's overall average score. Thereafter the overall average score is used to allocate a grade symbol (A, B, C, D, E or F). The program then writes to an output csv.

You are required to write this program.

### **Things to note:**

- The input.csv for this assessment has been provided and should be used as is.
- The output.csv should be generated by the candidate's program and have the following columns: Firstname, Surname, Average, Grade
- You can use any programming language and IDE of your preference
- You are required to submit a zip folder containing the provided input.csv, your program and the generated output.csv.
- The average score MUST be rounded to one decimal place, e.g. If a student's respective scores are 60, 61, 64 and 65, the average must be exactly 62.5
- The grading criteria is as follows:

Average Percentage	Grade
80 - 100	A
70 – 79.9	B
60 – 69.9	C
50 – 59.9	D
40 – 49.9	E
0 – 39.9	F

### **Submission:**

Submit by emailing your zip folder solution to both [Kim.Banga@wits.ac.za](mailto:Kim.Banga@wits.ac.za) and [Aveer.Ramnath@wits.ac.za](mailto:Aveer.Ramnath@wits.ac.za) and also ensure to copy [Lance.Stewart@wits.ac.za](mailto:Lance.Stewart@wits.ac.za)

For any questions or further clarity needed, you can send an email to the above three addresses as well.

Good luck!