Homework - Session 9

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1 Code from awk script

```
#!/usr/bin/gawk
BEGIN{
    #Setting the file separator as ,
    FS=",";
    avg1=0;
    avg2=0;
    avg3=0;
    avg4=0;
    count=0;
}
{
    x = $1+$2+$3;
    #printing the value of the sum just after the input data with a comma
    print($0,",",x);
    #currently, just finding the summation of each line, average will be
        taken later
    avg1=avg1+$1;
    avg2=avg2+$2;
    avg3=avg3+$3;
    avg4=avg4+x;
    count++;
}
END{
    #taking the averages
    avg1/=count;
    avg2/=count;
    avg3/=count;
    avg4/=count;
    print("Averages:");
    print(avg1,",", avg2,",", avg3,",", avg4);
    print("Lines parsed = ", count);
}
```

This document was made in TeX using the Vim editor :D

Figure 1: The starting few lines of the contents of the csv file that contains the comma-separated values of 1500 numbers, their squares, and their cubes

Figure 2: The starting few lines of the output of the awk script when run on the csv file

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Figure 3: The ending few lines of the output of the awk script