

CS201 Programming Problems

For the first five problems, your programs should read a text file from `stdin` and write to `stdout`. In all problems, keep `main` simple, use functions. Save your work in files named `p01.c`, `p02.c`, etc., in a subdirectory of your home directory named `MoreHomework`. Due Feb 26, 2016.

1. Write a `C` program that counts the number of lines that end with a period. Output: `one integer`.
2. Write a `C` program that prints the line that comes first, lexicographically ¹.
3. Write a `C` program that reads a list of integers and prints all the numbers that are divisible by 3.
4. Write a `C` program that prints the name of the program (the executable).
5. Write a `C` program that reads integers and sums the even integers and the odd integers separately. Print the two sums (even first) on one line, separated by one space.
6. Write a `C` program that reads data file `/u1/junk/cs201/data.csv` and prints records specified by command line arguments.
 - `-f` First name
 - `-l` Last name
 - `-c` City
 - `-a` Age or age range

This problem was/will be discussed in class.

¹Sorted in dictionary order, using `strcmp`.