

Section 14: Files

Exercise Solutions:

- 1) Go to the course website and find this section on the Course Schedule. Download “file_ex.pde” and “animals.csv” to your computer and put both in a folder called file_ex.
 - a) Open animals.csv in a *text editor* (e.g. VS Code) to see what a CSV file looks like to Processing.
 - b) Open file_ex.pde in Processing and run it. It should print the word “**film**” to the console.
 - c) Read through the code and its comments and try to figure out what Line 23 (the `print()` call) is doing.
 - d) Once you think you know how it works, go to animals.csv and modify *only one entry* so that running file_ex.pde will now output “**file**” to the console instead. Ideally, you would use an actual animal name! (https://en.wikipedia.org/wiki/List_of_animals_by_common_name)
 - e) Below, write your changed entry: `old_animal` → `new_animal`

numbat → any animal with an 'e' as the third letter: ape, bee, cheetah, deer, elephant, flea, hyena, etc.

- 2) [optional - tricky!] Now modify only Line 23 (the `print()` call) of file_ex.pde in order to get the program to print the word “**best**” to the console. Only two small changes are needed, but you’ll want to stare at animals.csv a while (without changing it!) to identify the pattern that gets you “**best**”. Write your new Line 23 below:

```
print(tokens[0].charAt(i));
```