

Assignment 1 for PG3400

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Instructions

This assignment is graded as pass/fail. You do not need to make a perfect program to pass, but you need to show reasonable understanding of C programming. A short description of how the program and your thought processes have worked will help us if we are in doubt. Try to avoid memory leaks and buffer overflows.

The delivery should contain the code and a readme.txt which explains any decisions made in the assignment.

Read from file

With this assignment you will find some files with individual names on lines. Write a program that takes a filename as input and reads the names from the file until the end of file. This program should store the names in an array and also the count in a variable. To store variable length names, you can either use an array of pointers or a 2D array with a reasonable maximum length for each name.

Example command line:

`./myprogram human_male.txt`

Execution of this must read all the integers in human_male.txt

Sorting

Once the names are read into the memory, you should sort them alphabetically, preferably without copying to a new location. You should already have learned Bubble Sort. After sorting the program should print all the names.

Names are copied from here:

exploring-infinity.com/wp-content/uploads/2011/02/npc-names-posted.doc