Assignment 1 for PG3400

Kjetil Raaen

October 2016. Deadline Wednesday 2nd of November

# 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.

# 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