

CISC 3320 HW Assignment – 1 (6 pts)

A utility program sna (Stripping Non-ASCII characters)

Requirements

1. Use either C/C++ or Java to write a program that will do the following
 - Prompt the user to enter an input filename (text file)
 - Prompt the user to enter an output filename
 - Read each character from the input file
 - If the character is an ASCII code, copy it to the output file
 - If the character is a non-ASCII code, drop it
 - Before the program exits, display how many lines processed and how many non-ASCII characters stripped.
 - Please have proper error checking in your code
 - Please have proper comments for essential elements of your code
 - A test file (which has non-ASCII codes embedded) will be provided
2. In writing, describe what system calls might be needed internally for your program to run, or to have the behavior it exhibits. You can google on Linux system call table to get an idea what kind of system calls are there. The lecture notes also have relevant information.

What to turn in

- Please submit (via email) the following:
 - your source code
 - the system calls description
 - running result for the test file (you could use a screen capture)
- Please do not copy code, whether from classmates or from the Internet.