Platform Used To Develop The Program:

When starting to write the program I used Clion for Windows but at the half of the project I moved my project to a text editor in Ubuntu, Linux to prevent compiling conflicts with the grading system. Because of this platform switch I had to modify many parts. I wrote my project in C++ as I wanted to use classes to represent Processes and I didn't know how to do object oriented programing in C. The program is designed to work without problem on g++, c++ compiler, on Ubuntu 16.04 LTS. The whole program is in mainxx.cpp file and it is enough to compile and execute mainxx.cpp to get the desired output.

How To Run The Program:

Prerequisites:
-To have four code files that defines the instructions line by line. They should be named code<1-4>.txt and they should be in the same directory as the program code.
-To have a definition file that defines the processes. It should be named "definition.txt" and be in the same directory as the source code.

Steps To Run:
-In the terminal of the Ubuntu 16.04 or a Linux system go the the directory that the source code and the definition files are in.
-Run the command
$ g++ mainxx.cpp -o xx
$ ./xx
-When the program is done executing you can find the output file in "output.txt" file in the same directory.