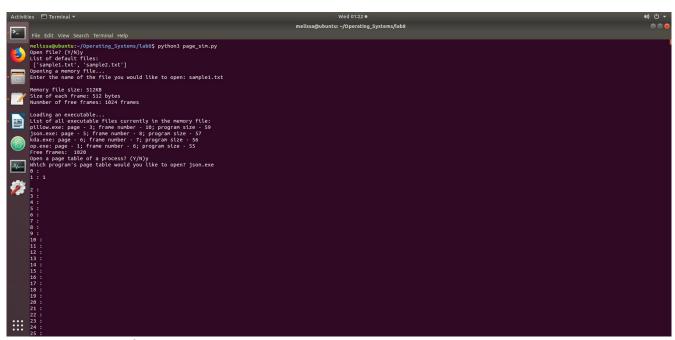
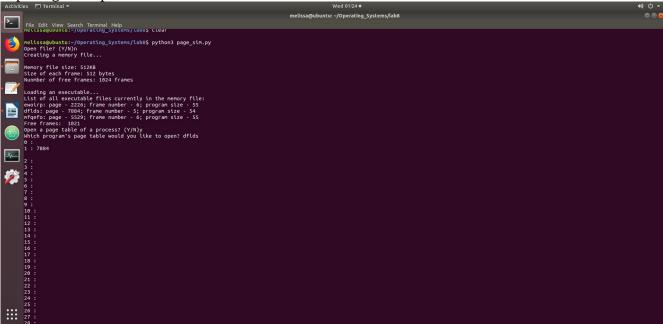
Lab 8 – Paging Simulator



^opening a sample file



^creating a file

^screenshots of running program

In order to run and compile my program, first run "python3 page\_sim.py" in the terminal. The program will then prompt if the user wants to open a file or not. If the user chooses no, then a file is created that contains a list of executables. If the user chooses yes, then they will be prompted to decide which file they would like to open from a list of files, which will open said file. The total memory file size, size of each frame, and number of free frames will then be displayed, followed by a chart that lists all executables that are in the file, as well as their page number, frame number, and program size. The number of remaining free frames will then be displayed after the programs are loaded in. From here,

the user can choose to look at a page table of a certain process, or not (which just exits the program). If the page table option is chosen, the user is prompted for which process's page table they would like to look at. The user can then make the choice repeatedly until the program is exited.