Project 3 Report: Memory Management
CSE 3320:Operating Systems
GROUP 3

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1 Part 1: Virtual Memory Address Statistics

According to the specifications stated in part 1 for project 2, all steps were carried out, however upon source code compilation without errors, it is unsuccessful since for unknown reason it did not show the results in the dmesg. We have followed every painstaking step to printout the results in the dmesg, however we cannot determine the unknown issues with the kernel version 5.0.1. Refer to figure 1 and 2 for attempt compilation of the source files. Please refer to the source files in the attachment.

2 Part 2: Virtual Memory Address Process

According to the specifications stated in part 2 for project 2, all steps were carried out, however upon source code compilation without errors, it is unsuccessful since for unknown reason it did not show the results in the dmesg. We have followed every painstaking step to printout the results in the dmesg, however we cannot determine the unknown issues with the kernel version 5.0.1. Refer to figure 3 and 4 for attempt compilation of the source files. Please refer to the source files in the attachment.

Figure 1: part 1: ps -A was entered, process id entered as 1484, and dmesg was enter.

Figure 2: part 1: In the dmesg, no data output that were successfully shown. It is suspected that there is a hardware issues with the Kernel version 5.0.1

Figure 3: Part 2: Pmap on process id 1484 and Address was entered. However, no data were successfully outputted in dmesg.

Figure 4: part1: Reference of pmap on process id 1484 with total memory of 508764 K.