Lab 9: Virtual Memory Address

- Due Nov 24 by 11:59pm
- Points 10
- Submitting a file upload

Problem 1

Consider the x86_64 virtual addressing scheme that we discussed in class. Write a C program which allocates some memory, and prints out the following information about the allocation

- Index into PML4
- Index into PDP
- Index into PD
- Index into PT
- Page offset

Assuming 4 KiB paging is used.

Submission requirement:

- source code file(s),
- screenshot(s) of testing results.