1. The program may run on a Linux environment.

* To compile, type g++ Assignment3.cpp
* To run, type a.out after compilation

1. I implemented a paging-based memory management system. The application providers functionality to users to setup a memory management system, allocate resources to a process, deallocate resources from a given process, write to memory with a given process, read from memory with a given process, and print the system’s entities. I utilized vectors to dynamically store and manage my memory structures. One thing to note, is my page table and main memory is zero based. For example if you wish to write to the first page of a page table, you should write “W <pid> 0”