

Lab 7 – Develop a Simple Paged Memory System

Due November 10, 2015

The purpose of this lab is to develop a simple paged memory system. Take the toy memory system you created in Lab 6 and use it as the backing store which is normally kept on disk. Allocate three page frames in Linux memory. All reads and writes to your paged memory must be via the page frames.

Create a test file containing 100 characters. Then copy the contents of the file into your paged memory one character at a time. Remember you must copy the entire page frame to and from backing store as a block with a single read/write operating.

After you have copied your 100 character test file to virtual memory then you should read the contents from virtual memory, via the page frames, and display or print them. Compare your original file with the contents of your virtual memory and verify that they are identical.