Lab 5: Page/Offset calculation

Paging

### Due Date: Nov 1, 2014 @midnight Submission Subject: “paging” ← this is the subject line of your email

## General Submission Criteria:

* See Lab 0 for the General Submission Criteria!
* Make a directory in your repository: lab5
* Include all of your Lab5 work within the lab5 directory

## Overview:

In this lab, you will develop a single program that calculates the page number and the offset within the page for a given virtual memory address. This is problem number 8.33 from the class textbook.

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| **8.33** Assume that a system has a 32-bit virtual address with a 4-KB page size. Write a C program that is passed a virtual address (in decimal) on the command line and have it output the page number and offset for the given address. As an example, your program would run as follows:  ./a.out 19986  Your program would output:  The address 19986 contains: page number = 4 offset = 3602  Writing this program will require using the appropriate data type to store 32 bits. We encourage you to use unsigned data types as well. |