

CS 321 Operating Systems, Spring 2013
Quiz 2 Solutions

Quiz 2 was given in class on Monday, February 25, 2013.

1. [2 pts] What is one benefit of the use of a memory hierarchy?

A memory hierarchy, if used properly, allows processes both *large* address spaces and *fast* memory access.

2. [3 pts] A simple address space is traditionally described by two values. What are these called, and what does each represent?

The two values are **base** and **limit** (often “base register” and “limit register”).

Base is the physical address of the beginning of a process's address space. **Limit** is the size of that address space.