CS286–Computer Organization & Architecture
Possible Quiz Questions (Quiz #1)
on August 27th, 2018

Suggested solution for Question #5

The following is a list of possible questions for our quiz on August 27th. Some of the questions will not be asked in the quiz. All the questions that will appear in the quiz will appear exactly as shown below (however, numeric parameters may be changed). The quiz is closed textbook, closed notes and closed neighbors. Note that the questions, which did not appear in this quiz, still may appear in the exams. You will find a solution for these questions during lectures.

#5: What are the two primary advantages of learning “computer organization and architecture” by CS majors?

By learning how computer hardware (especially processors executes programs and how memory space is used in the level of the assembly programming):

(a) Debugging skills for solving hard-to-solve (or hard-to-understand) software bugs.

(b) Code optimization skills (make programs run faster, develop programs that fit in smaller memory space, more reliable programs, etc.)