

Name:

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COE 205, Term 031
Computer Organization & Assembly Programming

Quiz# 4

Date: Sunday, Nov. 30, 2003

Q1. Write an assembly program to change the content of register AL by complementing the even bits and resetting the odd bits to 0. For example, suppose that AL=00011110, your code should change the content of AL to 01000001.

Q2. Write an assembly program to multiply the signed content of register AL by 27.5 based on shift and addition/subtraction instructions using the smallest number of instructions possible.