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COE 205, Term 101
Computer Organization & Assembly Programming
Quiz#5

Date: Wednesday, Dec. 15, 2010

(Q1) Suppose that we would like to create a pseudo instruction to add two 32-bit memory operands called *addm32*. Write a macro for this pseudo instruction assuming that both operands are of the same size. The macro should preserve the content of all used registers. Then, show how to use the macro for adding the two 32-bit variables *i* and *j*.

(Q2) Write a macro, *ArrayMax*, that receives as arguments the address and length of an array of integers and displays the maximum value in the array. The macro should preserve the content of all used registers.