Name: **Id#**

COE 205, Term 033
Computer Organization & Assembly Programming

Quiz# 6

Date: Saturday, July 31, 2004

Q1. Write a procedure, **ReadBin**, to read a binary number. The number of bits to be read is passed on the stack and it can be up to 16 bits. The read number should be returned on the stack. The procedure should restore the status of all registers to their content before the procedure execution. Then, use the procedure to read an 8-bit binary number and store the result in AL. Show the complete program and the place of the procedure in the program. <u>Do not use multiplication instructions in your solution</u>.