COMP 3350 Midterm Exam #2

Possible points: 105 Due: October 29, 2020 5:00pm CST

Time:

- Available from 10/28 5:00 pm to 10/29 5:00 pm, you can start at any moment.
- You have 75 minutes to finish the exam once you started.
- Deadline: 10/29 5:00 pm CST. Make sure you use Central Time Zone

Structure:

- Q1 - Q6: multiple choice questions, 3 points each
    - How to solve a math equation i.e. (A x B) + C - D
    - Choose the proper instructions to fill in the blanks in the code.
    - No need to write steps of calculation.
- Q7 – Q10: multiple choice questions, 3 points each
    - Please review XOR/SUB/DEC/ADD/TEST/CMP/JZ/JMP/JNZ and ECX in loops
    - Choose the proper instructions to fill in the blanks in the code.
    - No need to write steps of calculation.
- Q11 – Q15: multiple choice questions, 3 points each
    - Choose the proper instructions to fill in the blanks in the code.
    - No need to write steps of calculation.
- Q16 – Q20: multiple choice questions, 3 points each
    - Please review NEG/INC/DEC/TYPE/SIZEOF
    - Choose the value of the register after each of the lines of code executes
    - No need to write steps of calculation.
- Q21 – Q24: multiple choice questions, 3 points each
    - LENGTHOF/OFFSET/DUP(?)
    - Choose the proper instructions to fill in the blanks in the code.
    - No need to write steps of calculation.
- Q25 – Q28: multiple choice questions, 3 points each
    - Choose the value of the register after each of the lines of code executes
    - No need to write steps of calculation.
- Q29 – Q34: multiple choice questions, 3 points each
    - Choose the value of the register after each of the lines of code executes
    - No need to write steps of calculation.
- Q35
    - Please review the data range for types of numbers. i.e. what is the min number OR max number for signed/unsigned 8-bit numbers?

Review for the exam:

- Include review for Exam 1.
- Understand the PTR instruction.
- Understand the MOV, MOVZX, MOVSX instructions.
- Understand the POP insruction.