

COMP 3350 Midterm Exam #1

Possible points: 103 Due: September 29, 2020 5:00pm U.S. CST

Time:

- Available from 9/28 5:00 pm to 9/29 5:00 pm, you can start at any moment.
- You have **75 minutes** to finish the exam once you started.
- Deadline: **9/29 5:00** pm CST. Make sure you use **Central Time Zone**

Structure:

- Q1: Fill in the blank: 15 questions, 3 points each
 - Write the correct value into each blank.
 - **No** need to write steps of calculation.
 - See Project 1 for a similar format
- Q2 : Short questions : 3 questions, 9 points each
 - **Write down the steps of calculation.**
- Q3: Fill in the blank: 6 questions, 2 points each
 - Write the correct value into each blank
 - **No** need to write steps of calculation.
- Q4 : Coding : 3 questions, 2 points each
 - Write two small pieces of code into two blanks to complete the program.
 - Write the correct value of one asked variable into the blank.
 - **No** need to write steps of calculation.
- Q5 : Coding : 4 questions, 2 points each
 - Write 4 small pieces of code into 4 blanks to complete the program.
 - **No** need to write steps of calculation.
- Q6: Coding: 5 questions, 1 point each
 - Write 5 small pieces of code into 5 blanks to complete the program.
 - **No** need to write steps of calculation.

Review for the exam:

- How to convert decimal into signed magnitude, 1's and 2's complement.
- Arithmetic in binary form.
- How value stored in register such as EAX, AX, AL, AH.
- How to access each element in the array.
- How to assign the value into the register.
- How to loop certain number of times to execute a piece of code repeatedly.
- Please review Handout1_1/1_2/3/4_1/H2_IA_32, slides Ch1/2/3/4.
- Again, a dash for $(-0)_{2's}$ means the same value 0000 from a cell above.

Others:

- To speed up grading, you are recommended to write the blank space properly. For example, please write "0000 1010" for 8-bits binary (one space in the middle). When

you write code, please also leave one space after the comma, “add ax, [input]”. No extra space. However, you will not lose any point if you do not write blank spaces properly.

If you have any questions regarding Midterm1, an extra Zoom meeting (not mandatory) for all students 6pm -7pm CST Sep 25th Friday

Xuechao Li is inviting you to a scheduled Auburn University Zoom e-meeting. If you're a new participant, we have a quick start guide here: <https://aub.ie/zoomquickstart>

Topic: Xuechao Li's Personal Meeting Room

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