Lecture

Print Netid

Print Name (first last)

Computer Sciences 354
Midterm Exam 1 Secondary
Thursday, October 6th, 2022
60 points (15% of final grade)
Instructors: Debra Deppeler

1. MARK an X in box by your lecture number above.
2. PRINT your NETID (UW login name not your photo id number) in box above.
3. PRINT your first and last name in box above.
4. FILL-IN all fields and their bubbles on the scantron form (use #2 pencil).
   (a) LAST NAME - fill in your last (family) name starting at leftmost column.
   (b) FIRST NAME - fill in first five letters of your first (given) name.
   (c) IDENTIFICATION NUMBER is your UW Student ID number.
   (d) Under ABC of SPECIAL CODES, write your lecture number as a three digit value 001 or 002.
   (e) Under F of SPECIAL CODES, write the number 2 for Secondary and fill in the number (2 ) bubble.
5. DOUBLE-CHECK THAT YOU HAVE FILLED IN ALL ID FIELDS
   and that you have FILLED IN ALL CORRESPONDING BUBBLES ON SCANTRON.
6. Taking this exam indicates that you agree: to not write answers in large letters and to keep your answers covered; to not view or use another’s work or any unauthorized devices in any way; to not make any type of copy of any portion of this exam; and that you understand that being caught doing any of these actions, or other actions that permit any student to submit work that is not wholly their own will result in automatic failure of the exam and possible failure of the course. Penalties are reported to the Deans Office for all involved.

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<td>Simple Choice</td>
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<td>II</td>
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Assumptions unless instructions explicitly state otherwise:
addresses and integers are 4 bytes.
code questions are about C and IA-32/x86 assembly code on our Linux platform.

Reference: Powers of 2

$2^5 = 32, \quad 2^6 = 64, \quad 2^7 = 128, \quad 2^8 = 256, \quad 2^9 = 512, \quad 2^{10} = 1024$

$2^{10} = K, \quad 2^{20} = M, \quad 2^{30} = G$

$2^A \times 2^B = 2^{A+B}, \quad 2^A \div 2^B = 2^{A-B}$

Turn off and put away all electronic devices and wait for the proctor to signal the start of the exam.