

CMSC 131 Quiz 1 Worksheet

The first quiz for the course will be on Wed, Sep 9. The following list provides additional information about the quiz.

- **Do not post any solutions to this worksheet in Piazza. That represents an academic integrity violation.**
- The quiz will be a written quiz (no computer).
- The quiz will be in lab session.
- Closed book, closed notes quiz.
- Answers must be neat and legible.
- Quiz instructions can be found at <http://www.cs.umd.edu/~nelson/classes/utilities/examRules.html>
- Make sure you know your section number and your TA's name.
- **You must take your quiz in your assigned lab/discussion session and not show up to a random discussion session.**

The following exercises cover the material to be included in this quiz. Solutions to these exercises will not be provided, but you are welcome to discuss your solutions with the TAs or instructor during office hours. It is recommended that you try these exercises on paper first (without using the computer).

Exercises

1. What is your section number and the full name of your teaching/lab/discussion TA?
2. What is Java bytecode?
3. What is a compiler?
4. Name and briefly described two types of errors we can have in Java.
5. Convert the number 465 to binary.
6. Convert the binary number 01010111 to decimal.
7. Which of the following are valid Java identifiers?

House house #dog cat% blue-elephant 12depth \$height

8. Order the following types based on their relative size.

short int byte

9. What is the default type (float or double) for the following value: 4.5?
10. What is an appropriate name (using camel case) for a class representing a computer?

Computer computer COMPUTER

11. What is an appropriate name (using camel case) for a variable representing tire pressure?

tirePressure TirePressure tire_Pressure tire_pressure TIRE_PRESSURE TIRE_Pressure

12. Write a Java Program that displays the following message:

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The directory for Thomas "tommy" project is
\fs\www\myproject
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