CS112 Midterm Study Guide

Midterm Time:
    March 26, 2008, Wednesday, 17:40- 19:30

Exam Rooms:
    BZ02: Students with last names [A.., Kara..], Proctor: Süleyman Kardaş
    BZ03: Students with last names [Kaya.., Z..], Proctor: Özgür Bağlıoğlu

Other Information

1. **Closed book exam**: You can bring one page - handwritten notes with you. It must be your own notes and cannot be a photocopy.

2. **Chapters covered from the textbook**: Chapters [6, 9]. Topics covered by these chapters are Arrays, Objects and Classes, Strings and Text I/O, Inheritance and Polymorphism. Read the chapters as we have covered them in the class.

3. **No. of Questions and Style**: Approximately 8 questions. They may involve writing a short program, completing the missing parts of a program, determining program output, etc.

4. **Topics Covered Include (an incomplete list)**
    a. Classes
    b. Objects (class instantiation)
    c. Class member methods, formal parameters/arguments, actual parameters/arguments, local variables, static variables, etc.
    d. Constructors versus other methods of a class
    e. Method overloading and overriding
    f. Public interface: a classes public methods
    g. Private members vs. public members, their differences, and the concept of encapsulation
    h. Reference variables
    i. The new operator: its use in object and array creation
    j. Arrays, two-dimensional arrays
    k. Passing arrays to methods (concepts of call-by-reference and call-by-value)
    l. Array of objects
    m. Sorting and searching
    n. Classes we covered in classroom/labs
    o. Strings and I/O