CSI 201 — Computer Science I, Fall 2005

Handout #22 - Tuesday, November 29, 2005

1. Quiz today

2. EC #4 due today

3. HW #10 due Tuesday 12/06/05 (on reverse)

4. Classes (p249)

    (a) public vs private (p255)

    (b) abstraction, data encapsulation, information hiding (p255)

    (c) member functions, scope resolution operator (p259)

    (d) accessor vs mutator (p259)

    (e) interface vs. implementation (p261)

5. HW#10 on the reverse side

6. HW #10: Write a program which creates a class for a person. "Person"s have a name, age, weight, and social security number. Choose appropriate data members for the items of the class. Each element of the class should have appropriate mutator and accessor functions. Do not allow improper values for age and weight (≤ 0). Once the class is complete, write a progam in main which prompts the user to input each of the member items. After all member items are input, output the entire class using a print member function.

7. **Example Input**
```
Input Name:  Me
Input Age:  20
Input Weight:  155
Input SocSec:  555555555
```

8. **Example Output**
```
Name:  Me
Age:  20
Weight:  155
Social Security:  555-55-5555
```