

CSI 201 — Computer Science I, Fall 2005

Handout #23 - Thursday, December 1, 2005

1. Quiz Tuesday
2. EC #5 due Thursday - add appropriate constructors to HW #10
3. HW #10 due Tuesday 12/06/05 (on reverse)
4. Classes (p249)
 - (a) constructors (p272)
 - (b) **Tip:** always include a default constructor (p279)
 - (c) default constructor // NO parenthesis for 0 parameter constructors
 - (d) Day date1(12,1); //Legal
 - (e) date1.Day(7,4); // ILLEGAL because can't explicitly call constructor
 - (f) **Pitfall:** Day date1(); and date1.Day(7,4);
 - (g) initializer list p275
 - (h) **Tip:** instead of call by value, use call by constant reference
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 program 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
```