Course Evaluations

• Please complete the course evaluations
• The web site is:
  • https://www.courseevalum.umd.edu/portal
Callback

• **Definition**
  - Executable code passed as argument to other code

• **Approach**
  - Higher-level code passes function as argument to lower-level code
    • In Java, pass object implementing interface
    • In C/C++, pass pointer to function
  - Lower-level code invokes callback function to perform desired task
Callback

**Motivation**
- Keeps code separate
  - Clean division between higher & lower-level code
- Promotes code reuse
  - Lower-level code supports different callbacks
- Supports event-driven programming
  - Lower-level code registers function as handler

**Examples**
- Timer
- Observer pattern → Observer.update()
- Visitor pattern → Visitor.visit()