Example 1

• Create a system similar to (simplified) JMX
  − an annotation e.g. @Mgmt for marking an interface
  − usage:
    • an interface with get methods
      − annotated @Mgmt
    • a class implementing the interface
    • an instance of the class registered in the “management server”
      − a class in a program
    • the management server listens on a port an receives requests
      − a communication protocol is arbitrary
    • a client uses the interface
      − use Proxy for its implementation
        • the proxy communicates with the management server
Example 1

- `@Mgmt
  interface MYBean {
      String getName();
      int getYear();
  }

- `class MYBeanImpl implements MYBean {
    ... 
  }

- `MYServer srv = new MYServer(8080);
srv.register(new MYBeanImpl, “mybean“);

- `MYBean b = MY.connect(MYBean.class, “mybean“, “localhost“, 8080);`