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 and 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);`