

实验三.txt
实验三：通过SpringIoC功能重构实验一

```
ReSpringDemo
|
|---src
|   |
|   |---tarena
|       |
|       |-----spring-config.xml
```

加入Spring2的相关的JAR包

步骤一，创建IDeviceWriter接口

```
public interface IDeviceWriter {
    public void saveToDevice();
}
```

步骤二，创建SoftWriter实现类

```
public class SoftWriter implements IDeviceWriter {
    public void saveToDevice() {
        System.out.println("存储到软盘...");
    }
}
```

步骤三，创建UsbWriter实现类

```
public class UsbWriter implements IDeviceWriter {
    public void saveToDevice() {
        System.out.println("存储到U盘...");
    }
}
```

步骤四，创建Business类

```
public class Business {
    private IDeviceWriter deviceWriter;
    public void setDeviceWriter(IDeviceWriter deviceWriter) {
```

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```
        this.deviceWriter = deviceWriter;
    }
    public void save() {
        deviceWriter.saveToDevice();
    }
}
```

步骤五，创建Spring配置文件

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<beans
```

```
    xmlns="http://www.springframework.org/schema/beans"
```

```
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
    xsi:schemaLocation="http://www.springframework.org/schema/beans
```

```
    http://www.springframework.org/schema/beans/spring-beans-2.0.xsd">
```

```
    <bean id="UsbWriter" class="tarena.UsbWriter">
    </bean>
```

```
    <bean id="SoftWriter" class="tarena.SoftWriter">
    </bean>
```

```
    <bean id="Business" class="tarena.Business">
        <property name="deviceWriter">
            <ref bean="SoftWriter"/>
        </property>
    </bean>
```

```
</beans>
```

步骤六，创建测试类

```
public class Test {
```

```
    public static void main(String[] args) {
```

```
        Resource resource =
```

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```
        new
FileSystemResource("src/tarena/spring-config.xml");

        BeanFactory beanFactory =
            new XmlBeanFactory(resource);

        Business business =
        (Business)beanFactory.getBean("Business");

        business.save();
    }
}
```

步骤七，结果
存储到U盘...
或
存储到软盘...