

实验 10: bean 的作用域

3.2.11、实验十: bean的作用域

①概念

在Spring中可以通过配置bean标签的scope属性来指定bean的作用域范围，各取值含义参加下表：

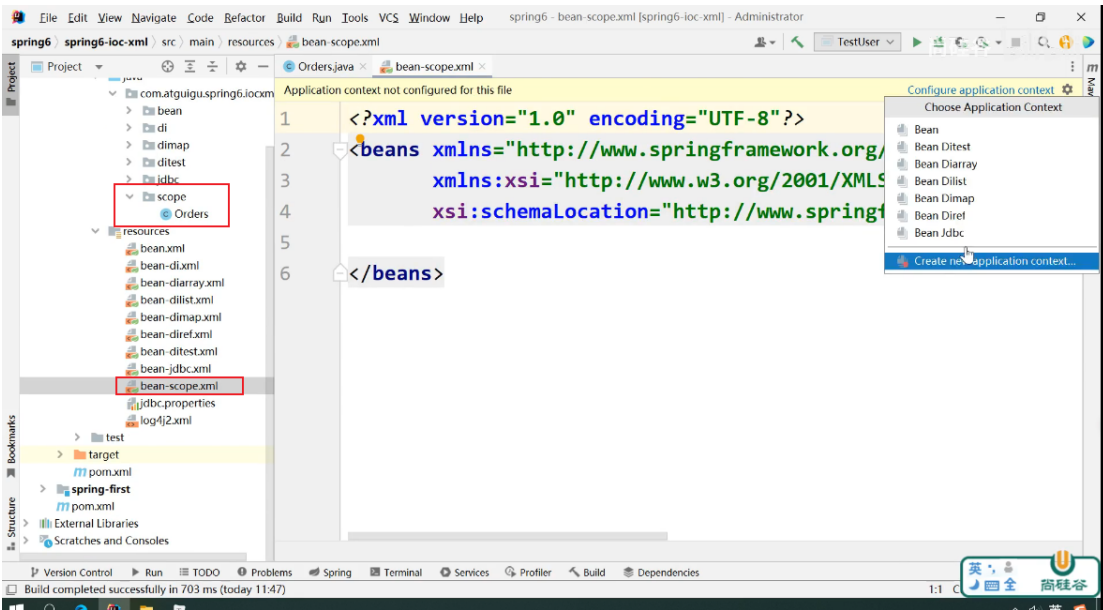
取值	含义	创建对象的时机
singleton（默认）	在IOC容器中，这个bean的对象始终为单实例	IOC容器初始化时
prototype	这个bean在IOC容器中有多个实例	获取bean时

如果是在WebApplicationContext环境下还会有另外几个作用域（但不常用）：

取值	含义
request	在一个请求范围内有效
session	在一个会话范围内有效

②创建类User

环境创建：



配置：

```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help spring6 - bean-scope.xml [spring6-ioc.xml] - Administrator
spring6 spring6-ioc.xml src main resources bean-scope.xml
Orders.java bean-scope.xml TestOrders.java
1 <?xml version="1.0" encoding="UTF-8"?>
2 <beans xmlns="http://www.springframework.org/schema/beans"
3     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4     xsi:schemaLocation="http://www.springframework.org/schema/beans http://www
5
6 <!-- 通过scope属性配置单实例 多实例-->
7 <bean id="orders" class="com.atguigu.spring6.iocxml.scope.Orders"
8     scope="singleton"></bean>
9 </beans>
XML tag has empty body
Attribute scope with default value 'singleton' is superfluous
Collapse empty tag Alt+Shift+Enter More actions... Alt+Enter
```

测试：

```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help spring6 - TestOrders.java [spring6-ioc.xml] - Administrator
spring6 spring6-ioc.xml src main java com atguigu spring6 iocxml scope TestOrders main
Orders.java bean-scope.xml TestOrders.java
8 public static void main(String[] args) {
9     ApplicationContext context =
10         new ClassPathXmlApplicationContext( configLocation: "bean-scope.xml"
11     Orders orders = context.getBean( name: "orders", Orders.class);
12     System.out.println(orders);
13     Orders orders1 = context.getBean( name: "orders", Orders.class);
14     System.out.println(orders1);
15 }
Run: TestOrders
D:\java\jdk-17.0.5\bin\java.exe ...
2022-12-13 14:46:29 490 [main] DEBUG org.springframework.context.support.ClassPathX
2022-12-13 14:46:29 633 [main] DEBUG org.springframework.beans.factory.xml.XmlBeanD
com.atguigu.spring6.iocxml.scope.Orders@5c530d1e
com.atguigu.spring6.iocxml.scope.Orders@6c25e6c4
Process finished with exit code 0
```

地址不同，这是多实例的测试