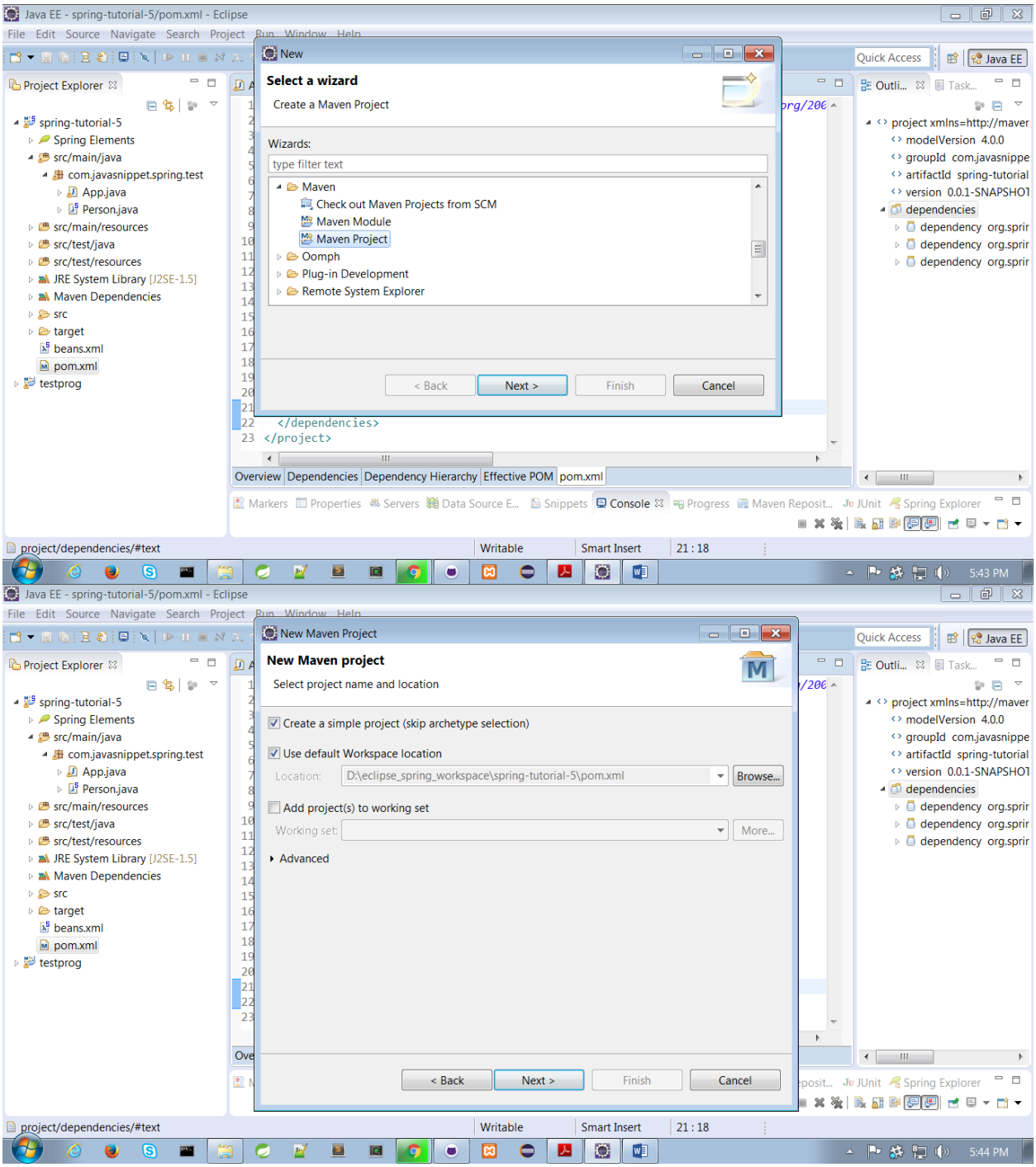
Spring Hello World:

New->other->maven project.



App.java:

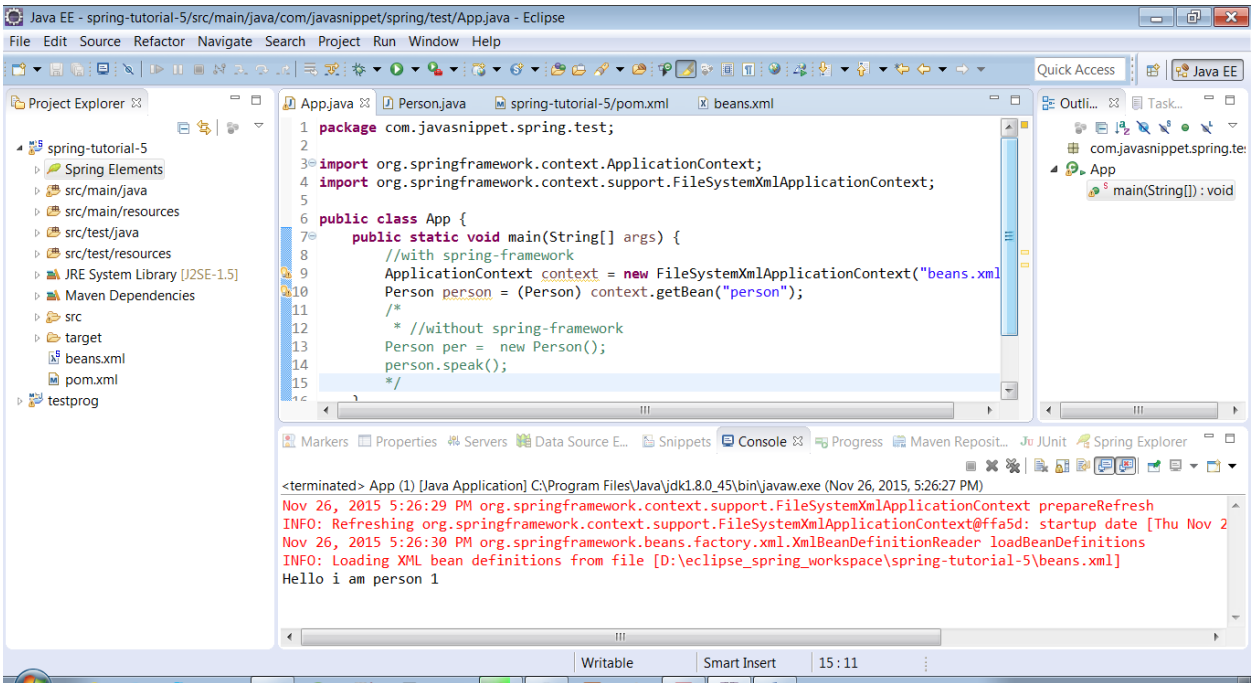
```
package com.javasnippet.spring.test;

import org.springframework.context.ApplicationContext;
import org.springframework.context.support.FileSystemXmlApplicationContext;

public class App {
	public static void main(String[] args) {
		//with spring-framework
		ApplicationContext context = new
FileSystemXmlApplicationContext("beans.xml");
		Person person = (Person) context.getBean("person");
		/*
		 * //without spring-framework
		Person per =  new Person();
		person.speak();
		*/
	}

}
```

Person.java:

```
package com.javasnippet.spring.test;

public class Person {

	public void speak(){
		System.out.println("Hello i am person 1");
	}

}
```

beans.xml:

```
<?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.xsd">

	<bean id="person"
		class="com.javasnippet.spring.test.Person">
	</bean>

</beans>
```


Java EE - spring-tutorial-5/src/main/java/com/javasnippet/spring/test/App.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Java EE
Project Explorer
spring-tutorial-5
Spring Elements
src/main/java
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src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
beans.xml
pom.xml
testprog
App.java
Person.java
spring-tutorial-5/pom.xml
beans.xml
1 package com.javasnippet.spring.test;
2
3 import org.springframework.context.ApplicationContext;
4 import org.springframework.context.support.FileSystemXmlApplicationContext;
5
6 public class App {
7 public static void main(String[] args) {
8 //with spring-framework
9 ApplicationContext context = new FileSystemXmlApplicationContext("beans.xml
10 Person person = (Person) context.getBean("person");
11 /*
12 * //without spring-framework
13 Person per = new Person();
14 person.speak();
15 */
Outli...
Task...
com.javasnippet.spring.te
App
main(String[]) : void
Markers
Properties
Servers
Data Source E...
Snippets
Console
Progress
Maven Reposit...
JUnit
Spring Explorer
<terminated> App (1) [Java Application] C:\Program Files\Java\jdk1.8.0_45\bin\javaw.exe (Nov 26, 2015, 5:26:27 PM)
Nov 26, 2015 5:26:29 PM org.springframework.context.support.FileSystemXmlApplicationContext prepareRefresh
INFO: Refreshing org.springframework.context.support.FileSystemXmlApplicationContext@ffa5d: startup date [Thu Nov 2
Nov 26, 2015 5:26:30 PM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions
INFO: Loading XML bean definitions from file [D:\eclipse_spring_workspace\spring-tutorial-5\beans.xml]
Hello i am person 1
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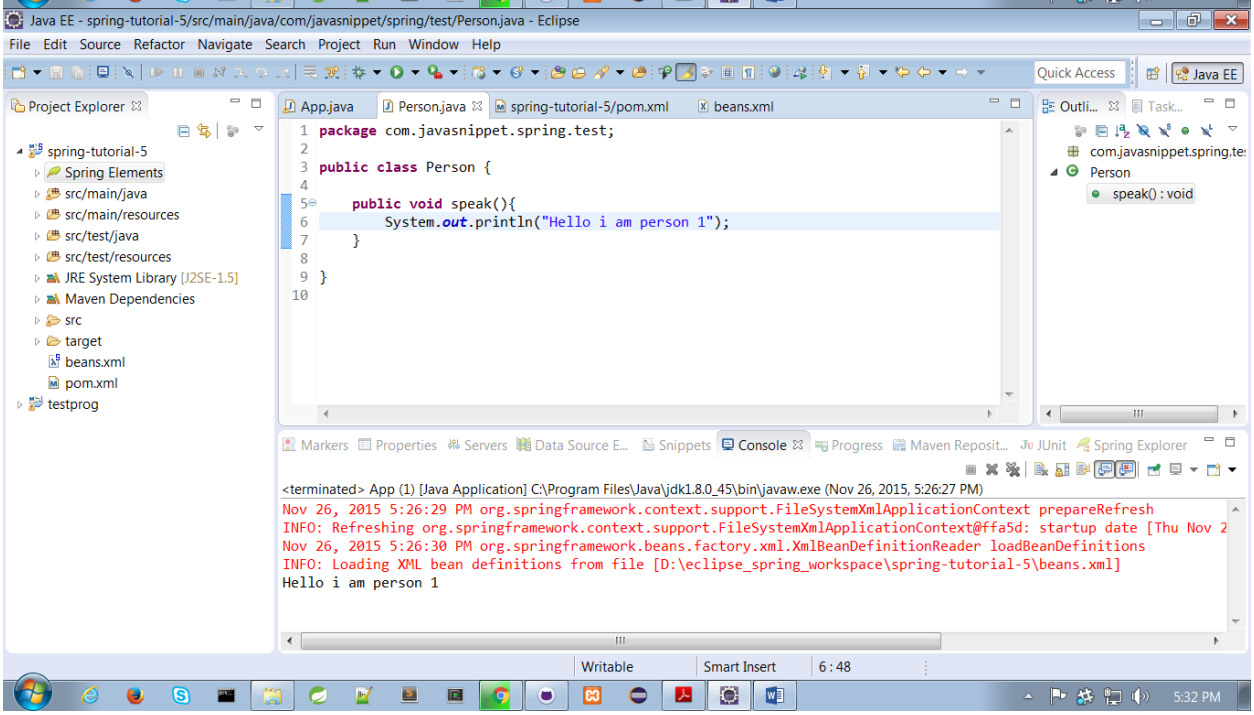
5:31 PM


Java EE - spring-tutorial-5/src/main/java/com/javasnippet/spring/test/Person.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
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spring-tutorial-5
Spring Elements
src/main/java
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JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
beans.xml
pom.xml
testprog
App.java
Person.java
spring-tutorial-5/pom.xml
beans.xml
1 package com.javasnippet.spring.test;
2
3 public class Person {
4
5 public void speak(){
6 System.out.println("Hello i am person 1");
7 }
8
9 }
10
Outli...
Task...
com.javasnippet.spring.te
Person
speak() : void
Markers
Properties
Servers
Data Source E...
Snippets
Console
Progress
Maven Reposit...
JUnit
Spring Explorer
<terminated> App (1) [Java Application] C:\Program Files\Java\jdk1.8.0_45\bin\javaw.exe (Nov 26, 2015, 5:26:27 PM)
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Nov 26, 2015 5:26:30 PM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions
INFO: Loading XML bean definitions from file [D:\eclipse_spring_workspace\spring-tutorial-5\beans.xml]
Hello i am person 1
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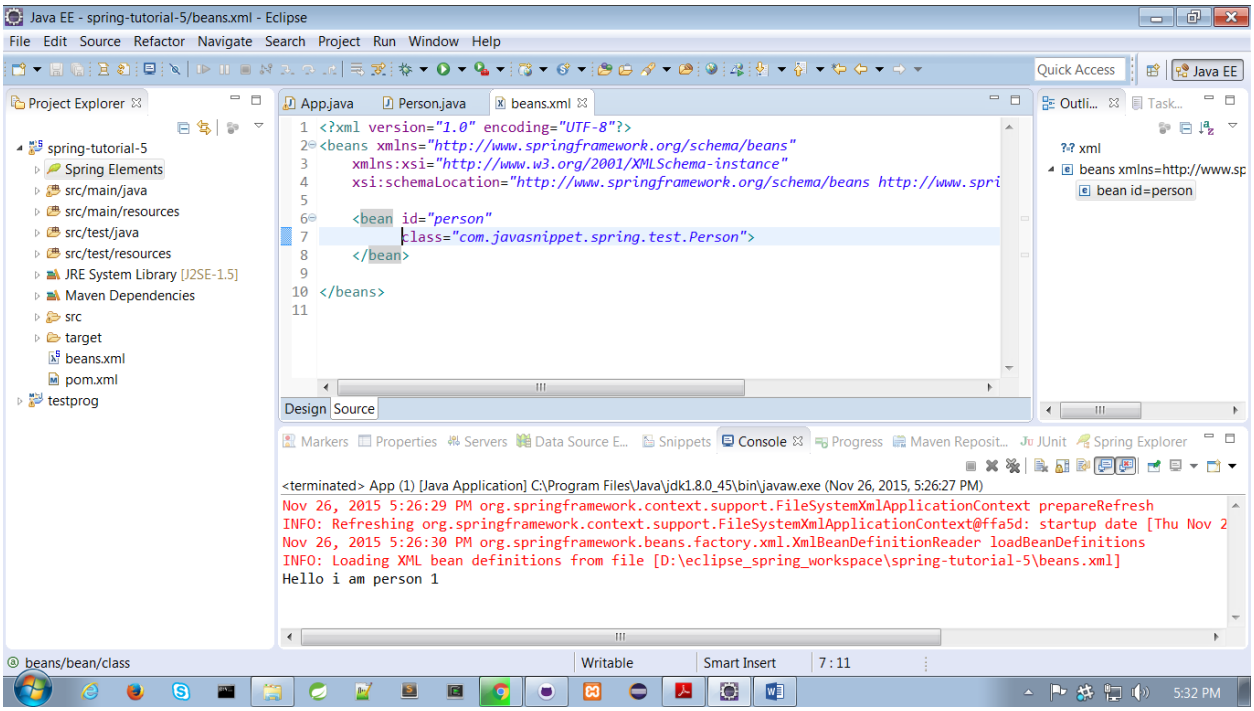
Java EE - spring-tutorial-5/beans.xml - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
spring-tutorial-5
Spring Elements
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
beans.xml
pom.xml
testprog
App.java
Person.java
beans.xml
<?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.spri
<bean id="person"
class="com.javasnippet.spring.test.Person">
</bean>
</beans>
Design Source
Console
<terminated> App (1) [Java Application] C:\Program Files\Java\jdk1.8.0_45\bin\javaw.exe (Nov 26, 2015, 5:26:27 PM)
Nov 26, 2015 5:26:29 PM org.springframework.context.support.FileSystemXmlApplicationContext prepareRefresh
INFO: Refreshing org.springframework.context.support.FileSystemXmlApplicationContext@ffa5d: startup date [Thu Nov 2
Nov 26, 2015 5:26:30 PM org.springframework.beans.factory.xml.XmlBeanDefinitionReader loadBeanDefinitions
INFO: Loading XML bean definitions from file [D:\eclipse_spring_workspace\spring-tutorial-5\beans.xml]
Hello i am person 1
beans/bean/class
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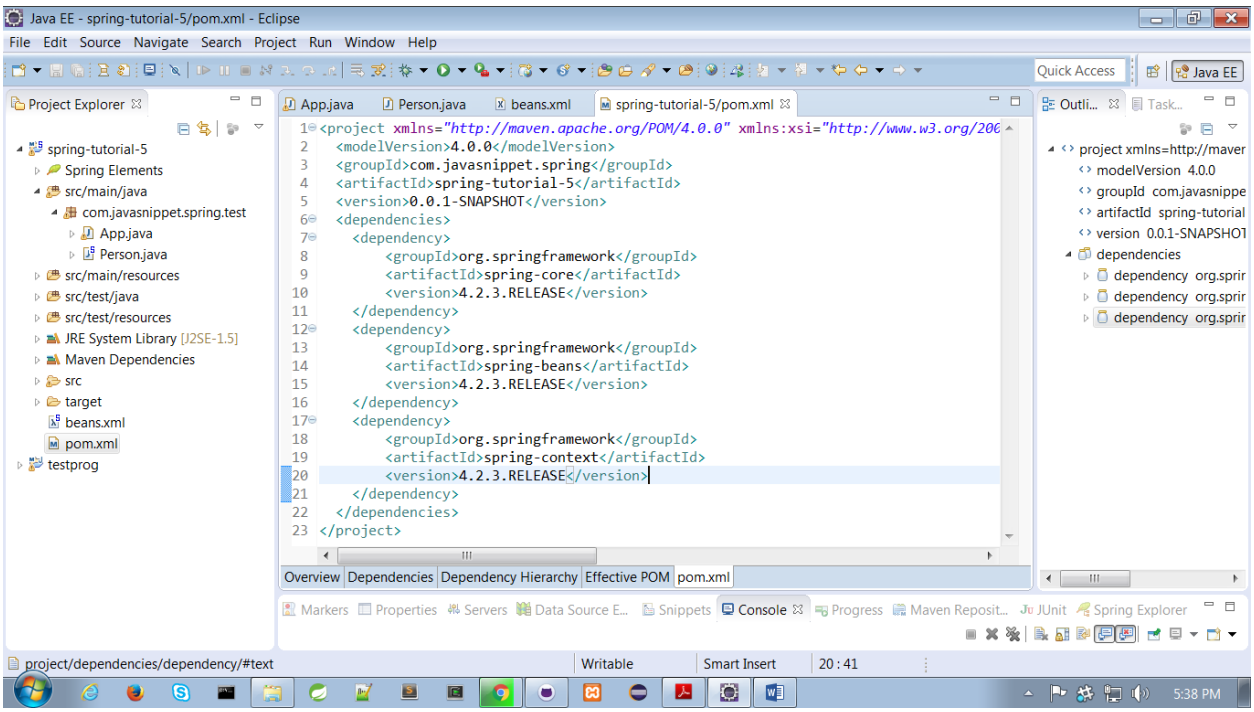
Java EE - spring-tutorial-5/pom.xml - Eclipse
File Edit Source Navigate Search Project Run Window Help
Project Explorer
spring-tutorial-5
Spring Elements
src/main/java
com.javasnippet.spring.test
App.java
Person.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
beans.xml
pom.xml
testprog
App.java
Person.java
beans.xml
spring-tutorial-5/pom.xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/200
<modelVersion>4.0.0</modelVersion>
<groupId>com.javasnippet.spring</groupId>
<artifactId>spring-tutorial-5</artifactId>
<version>0.0.1-SNAPSHOT</version>
<dependencies>
<dependency>
<groupId>org.springframework</groupId>
<artifactId>spring-core</artifactId>
<version>4.2.3.RELEASE</version>
</dependency>
<dependency>
<groupId>org.springframework</groupId>
<artifactId>spring-beans</artifactId>
<version>4.2.3.RELEASE</version>
</dependency>
<dependency>
<groupId>org.springframework</groupId>
<artifactId>spring-context</artifactId>
<version>4.2.3.RELEASE</version>
</dependency>
</dependencies>
</project>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Console
project/dependencies/dependency/#text
Writable
Smart Insert
20 : 41
5:38 PM

pom.xml:

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.javasnippet.spring</groupId>
  <artifactId>spring-tutorial-5</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
       <dependency>
             <groupId>org.springframework</groupId>
             <artifactId>spring-core</artifactId>
             <version>4.2.3.RELEASE</version>
       </dependency>
       <dependency>
             <groupId>org.springframework</groupId>
             <artifactId>spring-beans</artifactId>
             <version>4.2.3.RELEASE</version>
       </dependency>
       <dependency>
             <groupId>org.springframework</groupId>
             <artifactId>spring-context</artifactId>
             <version>4.2.3.RELEASE</version>
       </dependency>
  </dependencies>
</project>
```

org.springframework.context.ApplicationContext

Central interface to provide configuration for an application. This is read-only while the application is running, but may be reloaded if the implementation supports this.

An ApplicationContext provides:

- Bean factory methods for accessing application components. Inherited from `org.springframework.beans.factory.ListableBeanFactory`.
- The ability to load file resources in a generic fashion. Inherited from the `org.springframework.core.io.ResourceLoader` interface.
- The ability to publish events to registered listeners. Inherited from the `ApplicationEventPublisher` interface.
- The ability to resolve messages, supporting internationalization. Inherited from the `MessageSource` interface.
- Inheritance from a parent context. Definitions in a descendant context will always take priority. This means, for example, that a single parent context can be used by an entire web application, while each servlet has its own child context that is independent of that of any other servlet.

In addition to standard `org.springframework.beans.factory.BeanFactory` lifecycle capabilities, ApplicationContext implementations detect and invoke `ApplicationContextAware` beans as well as `ResourceLoaderAware`, `ApplicationEventPublisherAware` and `MessageSourceAware` beans.

org.springframework.context.support.FileSystemXmlApplicationContext.FileSystemXmlApplicationContext(String configLocation) throws BeansException

Create a new FileSystemXmlApplicationContext, loading the definitions from the given XML file and automatically refreshing the context.

Parameters:

configLocation file path

Throws:

BeansException - if context creation failed