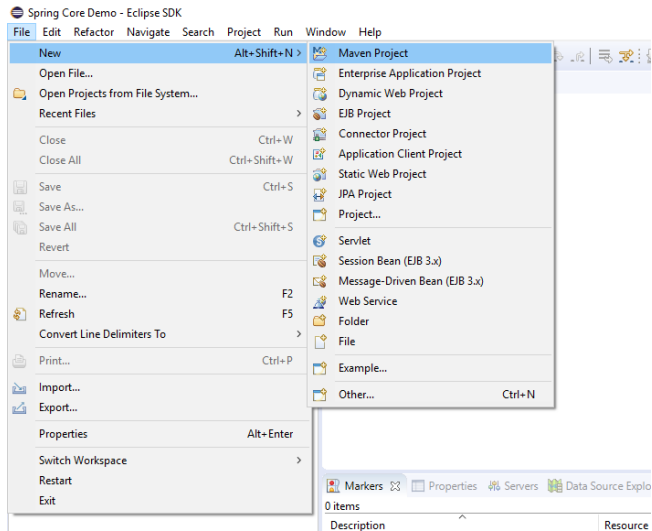


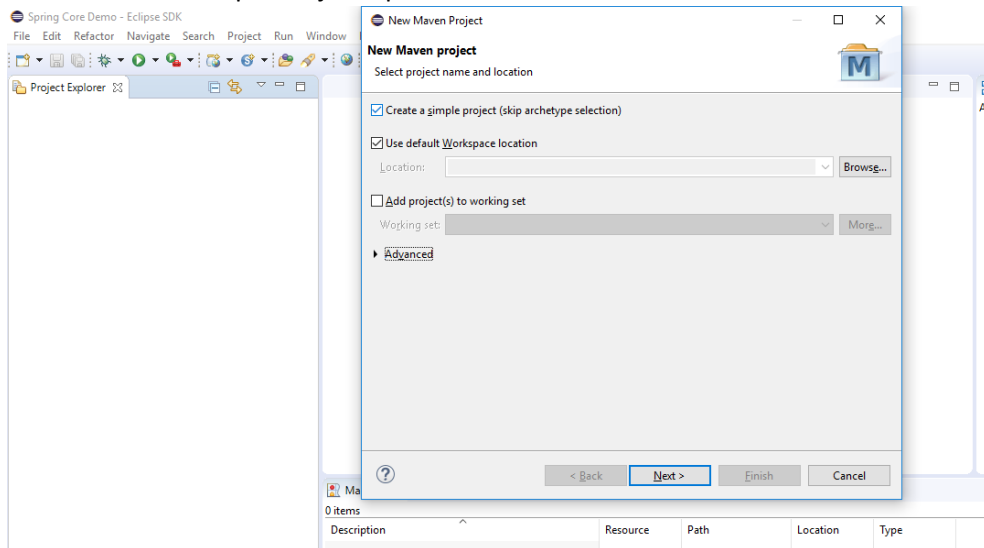
## Step by Step guide for Maven based Spring Projects.

Demo1 : Simple Hello World Spring Project.

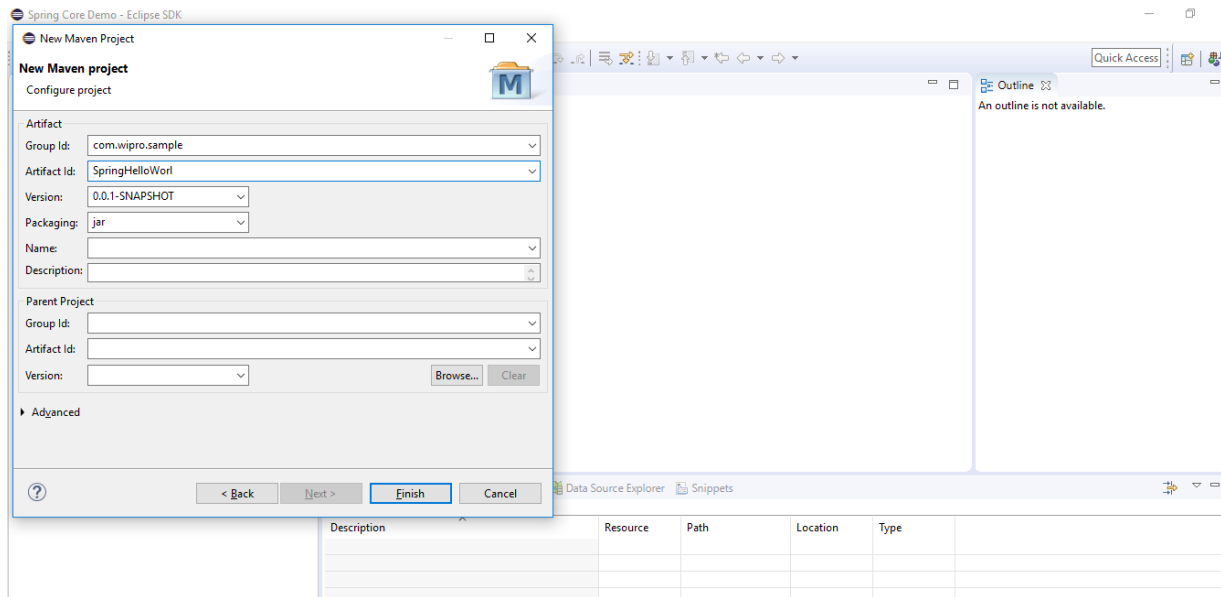
1. Select J2EE Perspective in Eclipse.
2. Choose Maven Project



3. Check Create a Simple Project option. And Click Next



4. Give the Artifact Details:
  - a. Group ID : that would be your package name.
  - b. ArtifactID : your Application Name
  - c. And click finish



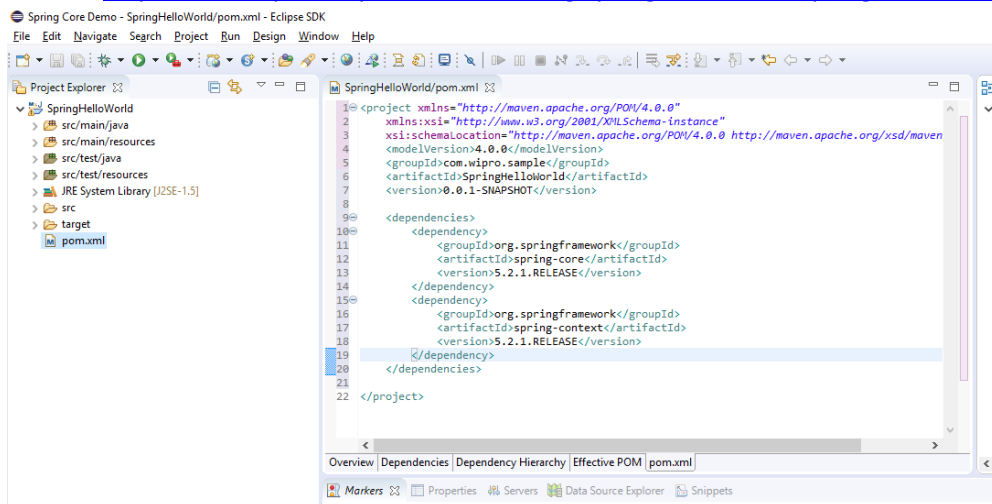
5. Project is created.

a. Added Spring core and Spring context dependencies under pom.xml file

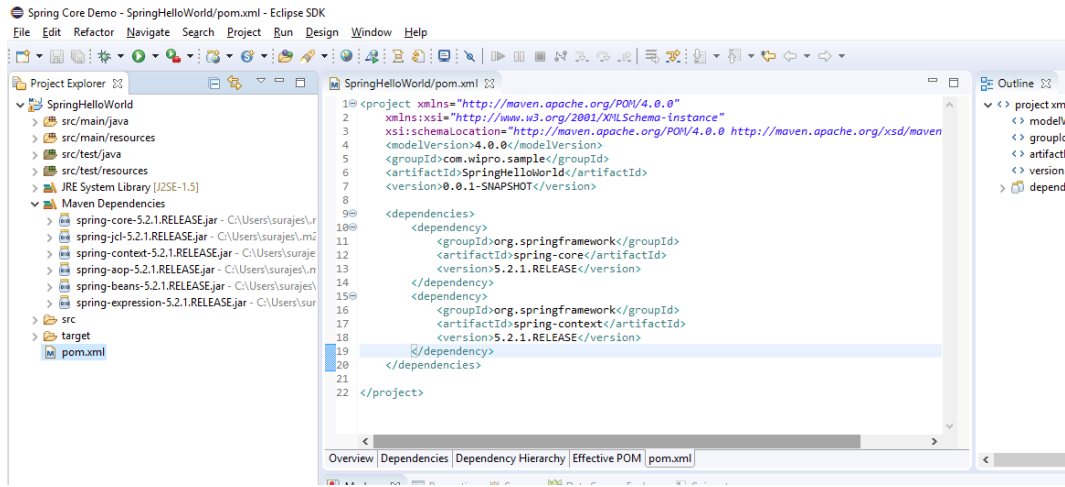
```
<dependencies>
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-core</artifactId>
    <version>5.2.1.RELEASE</version>
  </dependency>
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-context</artifactId>
    <version>5.2.1.RELEASE</version>
  </dependency>
</dependencies>
```

b. You can refer the below link for version and artifact details

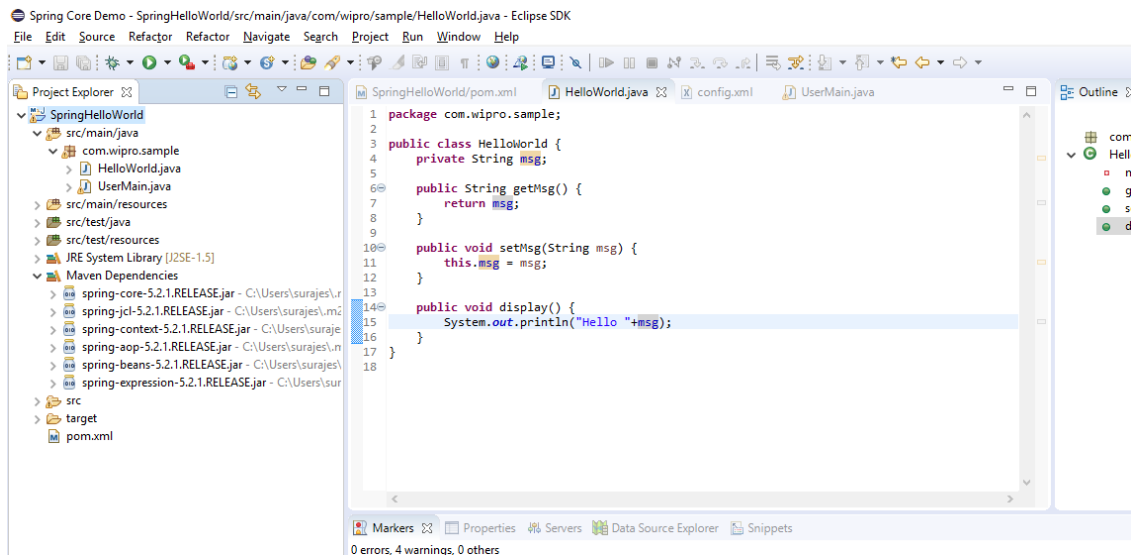
<https://mvnrepository.com/artifact/org.springframework/spring-core/5.2.1.RELEASE>



6. Once we add the dependencies you can see a new set of library called Maven dependency with all the supporting jars for Spring based application.



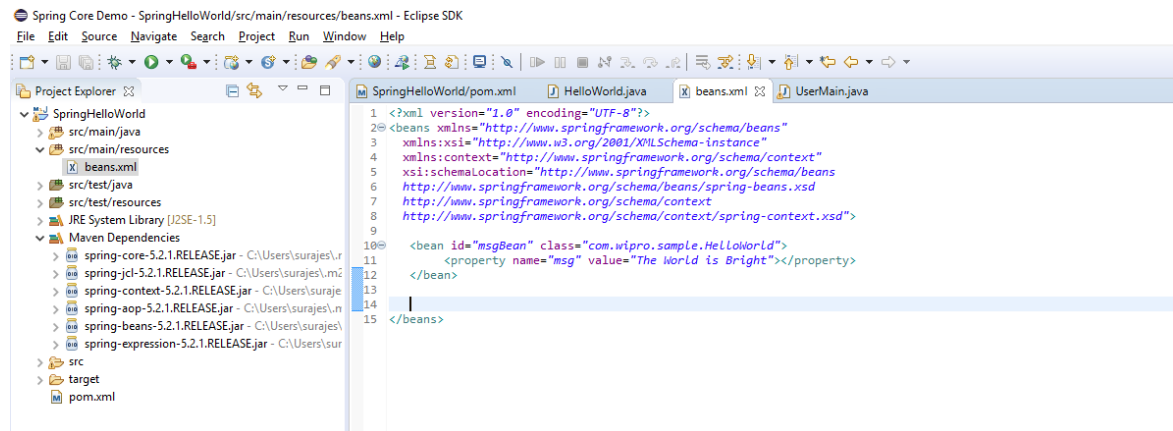
7. Create a package called com.wipro.sample under src/main/java.
  - a. Create a class called HelloWorld in the above created package.



8. Create a xml file called beans.xml under src/main/resources and declare the bean id for the HelloWorld class

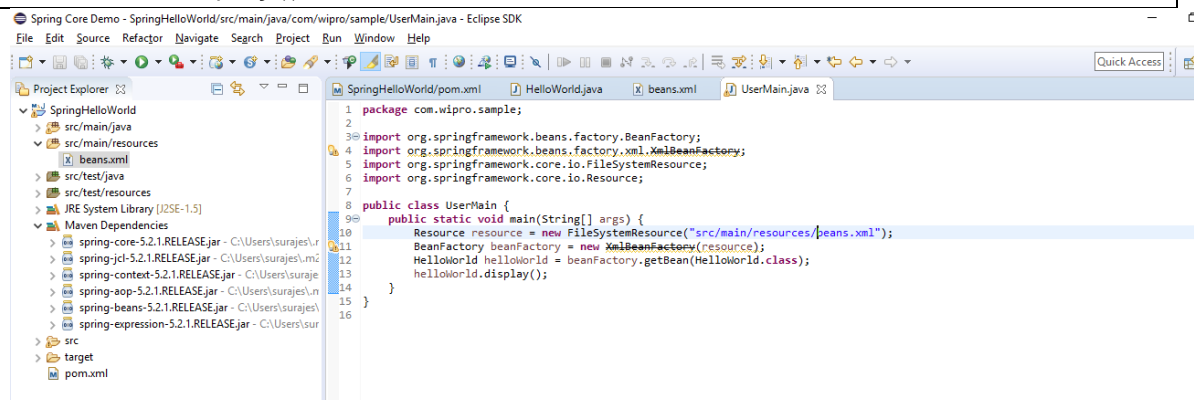
```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Root element beans which defines the bean objects -->
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xmlns:context="http://www.springframework.org/schema/context"
       xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context.xsd">

  <!-- Bean tag is used to create bean objects -->
    <bean id="msgBean" class="com.wipro.sample.HelloWorld">
      <!-- Value for msg String Object is injected here -->
      <property name="msg" value="The World is Bright"></property>
    </bean>
</beans>
```



9. Create the UserMain class in the same com.wipro.sample package and run the same.

```
Resource resource = new FileSystemResource("src/main/resources/beans.xml");
BeanFactory beanFactory = new XmlBeanFactory(resource);
HelloWorld helloWorld = beanFactory.getBean(HelloWorld.class);
helloWorld.display();
```



## 10. Change the UserMain code to support ApplicationContext instead of BeanFactory

```
ApplicationContext context = new ClassPathXmlApplicationContext("beans.xml");
HelloWorld helloWorld = context.getBean(HelloWorld.class);
helloWorld.display();
```

