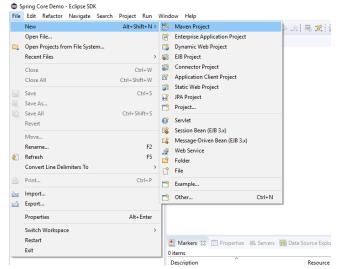
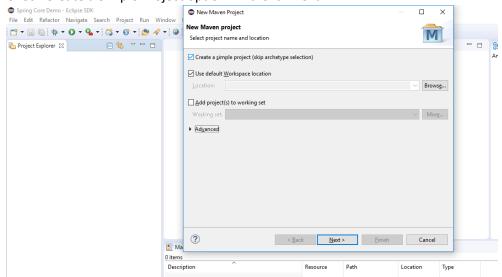
## Step by Step guide for Maven based Spring Projects.

Demo1: Simple Hello World Spring Project.

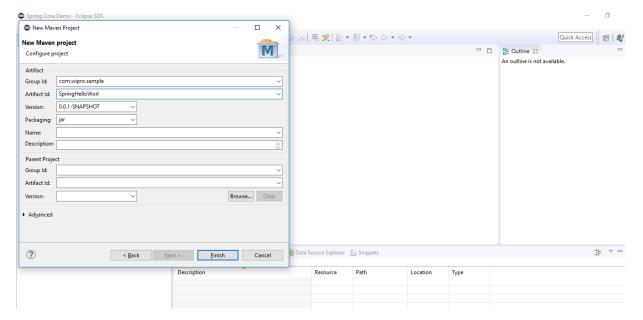
- 1. Select J2EE Perspective in Eclipse.
- 2. Choose Maven Project



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

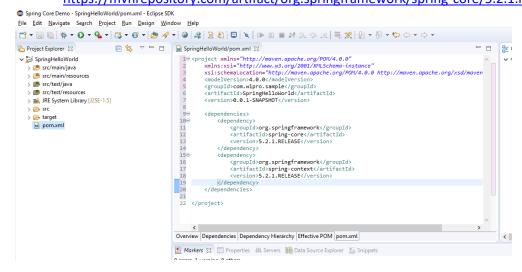


- 4. Give the Artifact Details:
  - a. Group ID: that would be your package name.
  - b. ArtifactID: your Application Name
  - c. And click finish

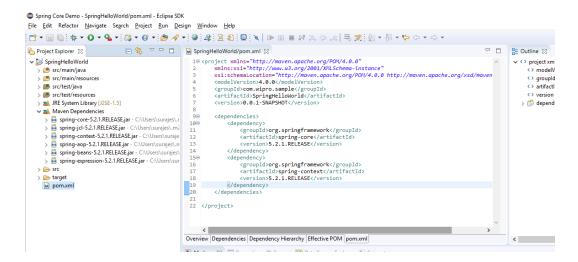


- 5. Project is created.
  - a. Added Spring core and Spring context dependencies under pom.xml file

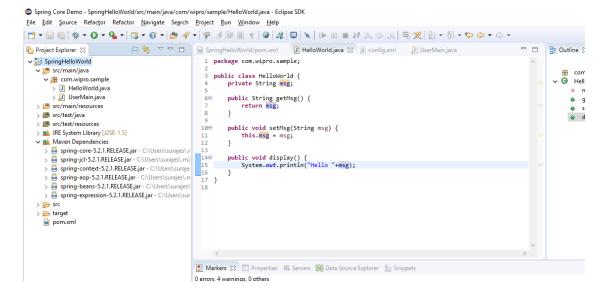
You can refer the below link for version and artifact details
 https://mvnrepository.com/artifact/org.springframework/spring-core/5.2.1.RELEASE



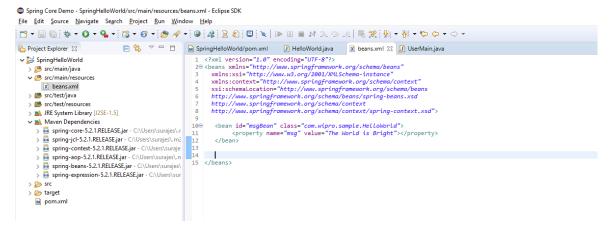
6. Once we add the dependencies you can see a new set of library called Mavan dependency with all the supporting jars for Spring based application.



- 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



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();
 Spring Core Demo - SpringHelloWorld/src/main/java/com/wipro/sample/UserMain.java - Eclipse SDK
 <u>F</u>ile <u>E</u>dit <u>S</u>ource Refac<u>t</u>or <u>N</u>avigate Se<u>a</u>rch <u>P</u>roject <u>R</u>un <u>W</u>indow <u>H</u>elp
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                                                                                                                                              Quick Access
 🖺 Project Explorer 🛭 🗎 😘 🔻 🗖 🕟 SpringHelloWorld/pom.xml 🔃 HelloWorld.java 🕱 beans.xml 🔝 UserMain.java 🕱

→ 

SpringHelloWorld

                                           1 package com.wipro.sample;
    # src/main/java
                                        30 import org.springframework.beans.factory.BeanFactory;
1 import org.springframework.beans.factory.xml.xml&BeanF
import org.springframework.core.io.FileSystemResource
import org.springframework.core.io.Resource;
   ✓ ∰ src/main/resources

☑ beans.xml
   > # src/test/java
                                        helloWorld.display();
                                          15 }
16
      spring-expression-5.2.1.RELEASE.jar - C:\Users\sur
   > 🗁 target
     m pom.xml
```

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();
```

```
Spring Core Demo - SpringHelloWorld/src/main/java/com/wipro/sample/UserMain.java - Eclipse SDK
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
∨ 👺 SpringHelloWorld
                                                                         1 package com.wipro.sample;
    > # src/main/java

> # src/main/resources
                                                                           30 import org.springframework.context.ApplicationContext;
4 import org.springframework.context.support.ClassPathXmlApplicationContext;
    |X| beans.xml
|> | src/test/java
                                                                       5 public class UserNain {
70 public static void main(String[] args) {
8 /*Resource resource = new FileSystemResource("src/main/resources/beans.xml");
9 BeanFactory beanFactory = new XmlBeanFactory(resource);"/
10 /**
11 "use Application context instead of BeanFactory.
12 "/
     > # src/test/resources
    > ■ scr/ctest/resources

⇒ ■ RE System Library [J2SE-1.5]

⇒ Maven Dependencies

> ■ spring-core-5.2.1.RELEASE.jar - Cn/Users\surajes\.rr

> ■ spring-jc-5.2.1.RELEASE.jar - Cn/Users\surajes\.rr

> ■ spring-context-5.2.1.RELEASE.jar - Cn/Users\surajes\.rr

> ■ spring-beans-5.2.1.RELEASE.jar - Cn/Users\surajes\.rr
                                                                                           ApplicationContext context = new ClassPathXmlApplicationContext("beans.xml"); HelloWorld helloWorld = context.getBean(HelloWorld.class); helloWorld.display();
     > 🐎 src
     > 📂 target
                                                                                                                                                                                                                   Markers ☐ Properties  Servers  Data Source Explorer  Snippets ☐ Console
```