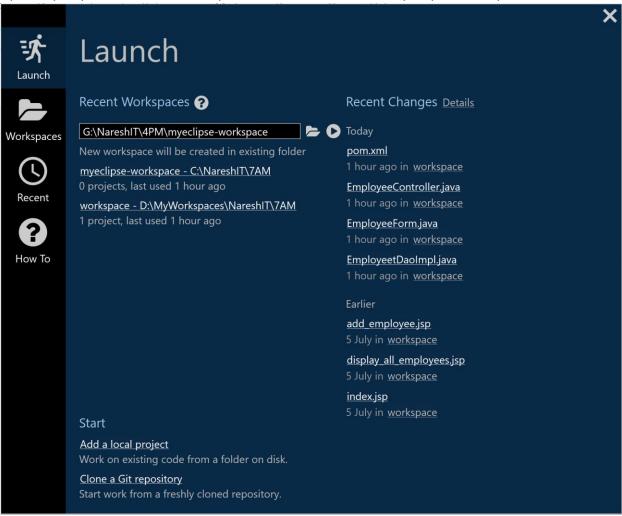
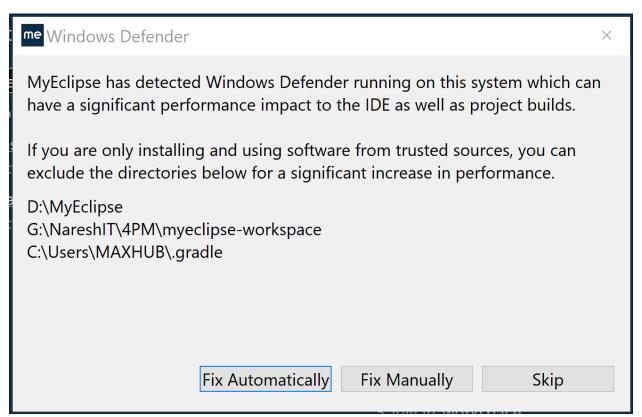
## **MyEclipse Spring MVC Project Creation**

1. Open MyEclipse and create workspace in G:\NareshIT\4PM\myeclipse-workspace



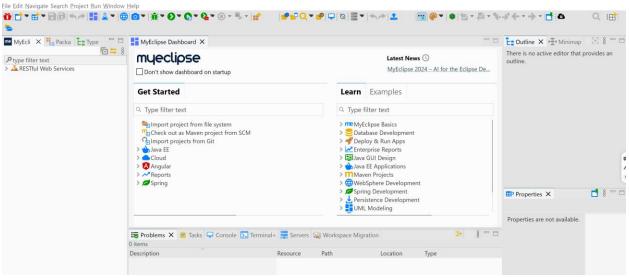
- 2. And click on Play button.
- 3. It show a dialog box where click on "Fix Automatically"



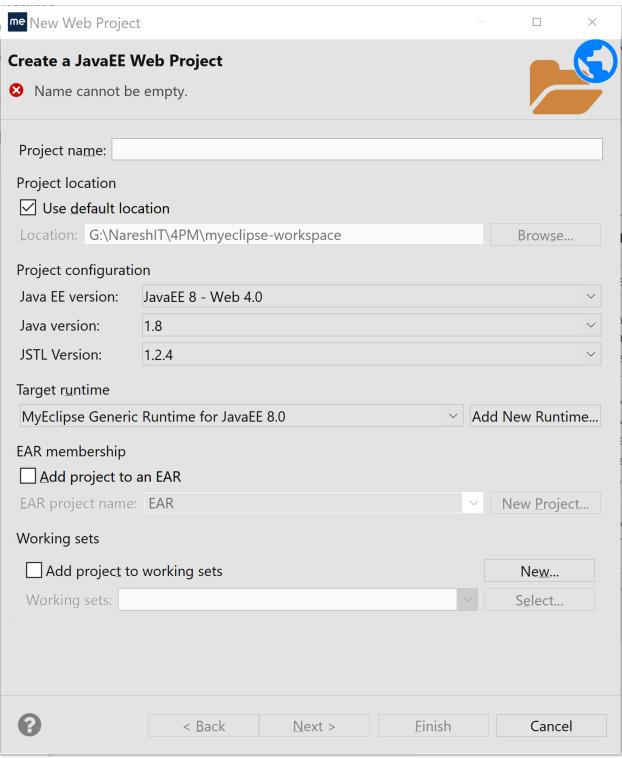
5. You will see the home page now.

4.

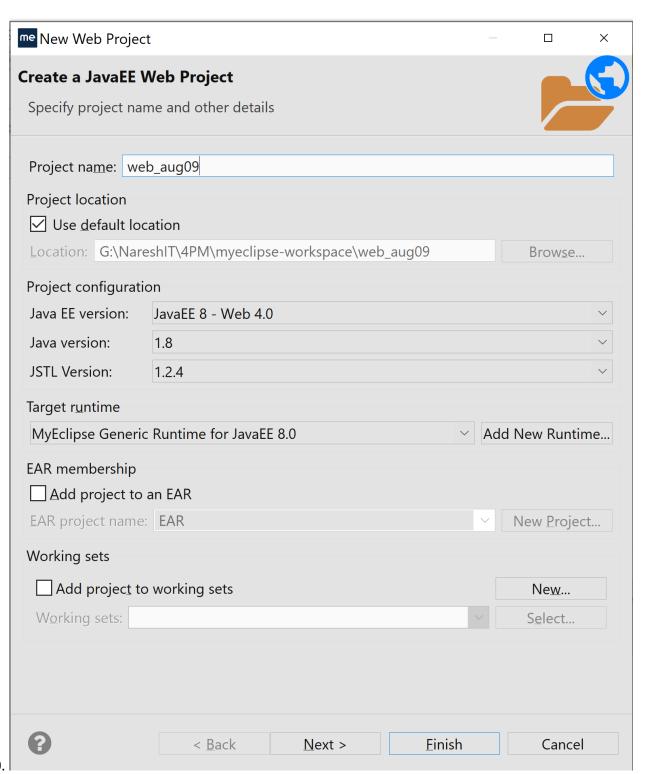
6.

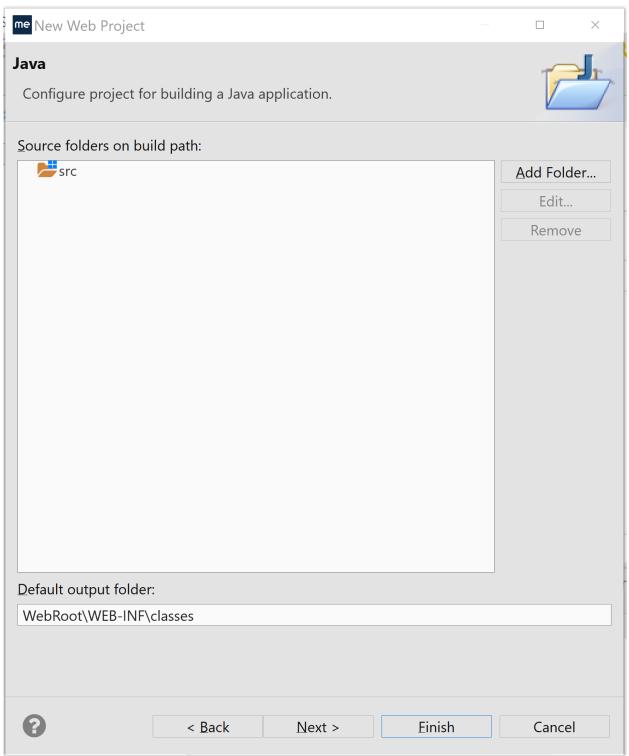


7. Right click on Project Explorer and New → Web Project

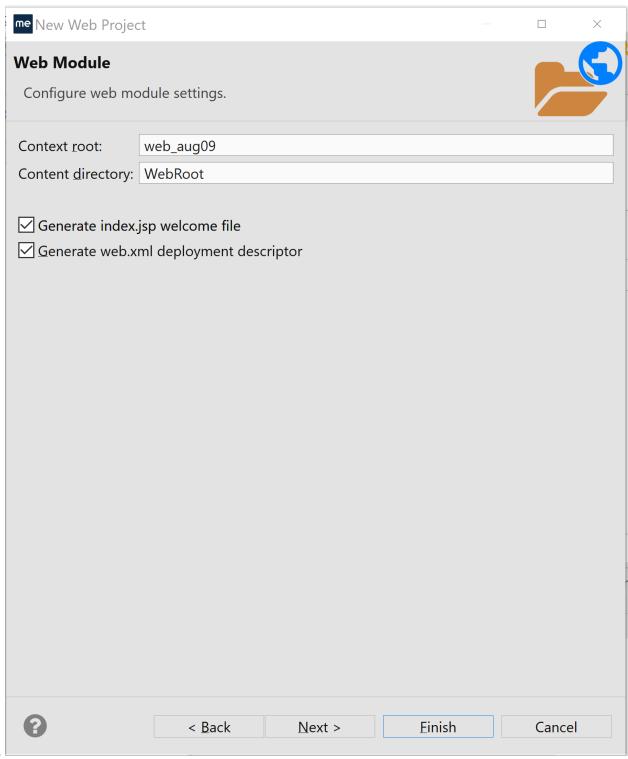


8. Enter the project name as: web\_aug09 and click on next

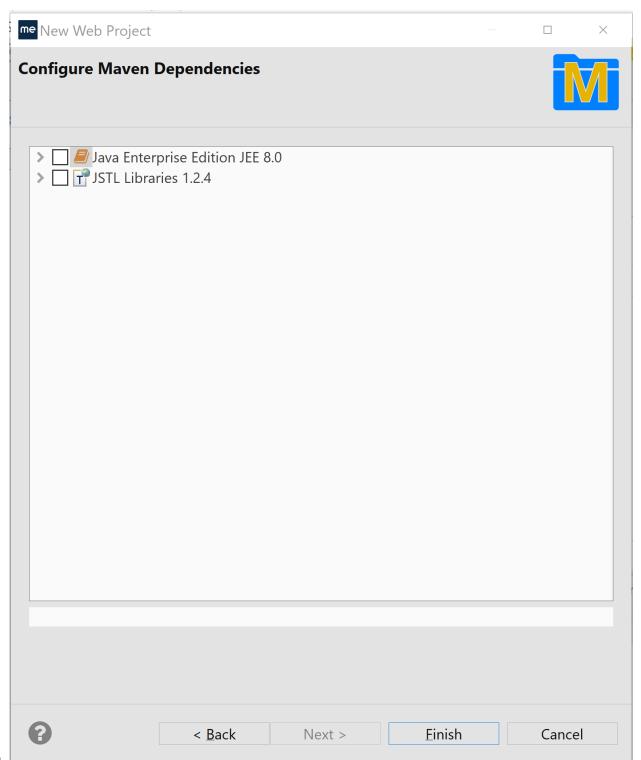


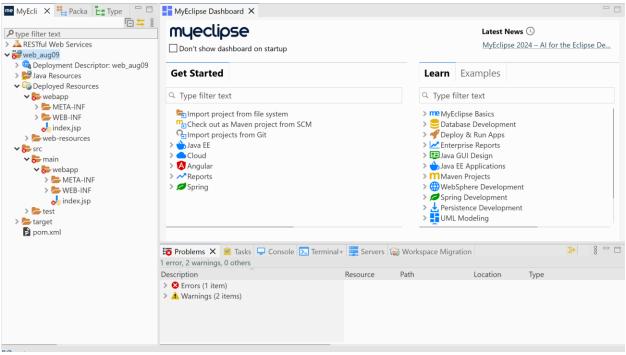


12. And check the option for web.xml and click Next

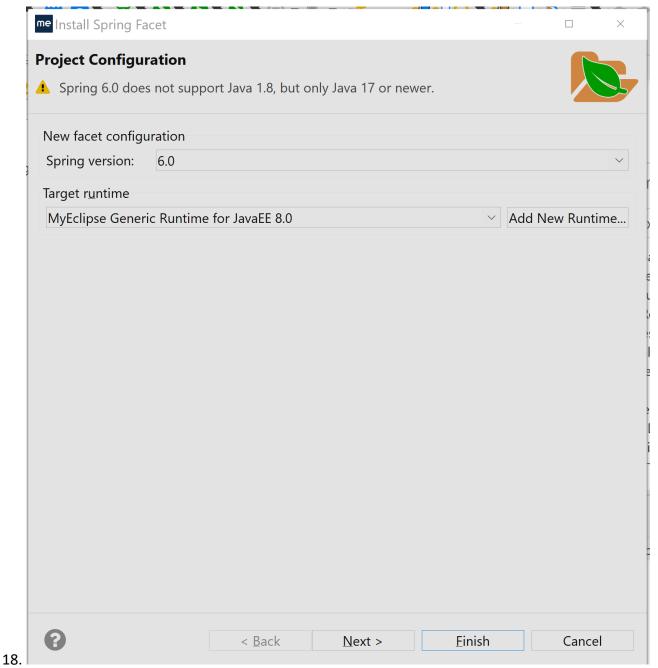


14. Enter group id: **com.nareshit**, version as **1.0** and click on Next. Uncheck the maven dependencies, click Finish

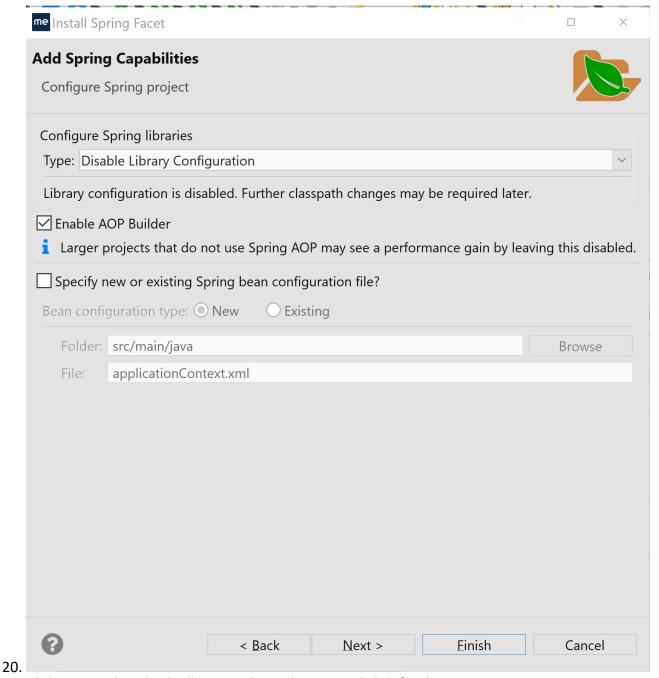




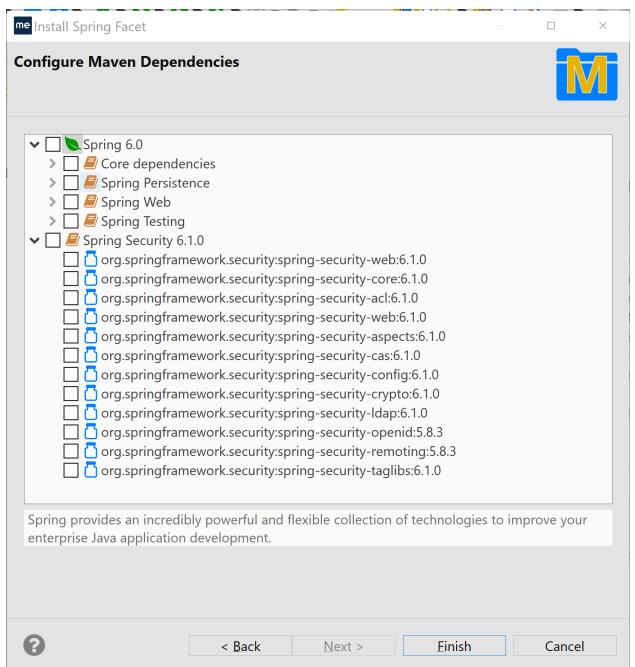
17. Right click on project → Configure Facets → Install Spring Facet



19. Click on Next and uncheck "Specify new or existing Spring bean configuration file?"



21. Click Next and uncheck all maven dependencies and click finish.



```
🕦 > 👺 web_aug09 > 👔 pom.xml
                         MyEcli X ♣ Packa ♣ Type ☐ ♣ 8
                                                                                                                                    ° □ web_aug09/pom.xml ×
                                                                                                                                                        https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemalocation)

10 kproject xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemalocation="http://www.w3.org/2001/XMLSchema-instance" xsi:schemalocation="http://www.w3.org/2001/XMLSchemalocation="http://www.w3.org/2001/XMLSchemalocation="http://www.w3.org/2001/XMLSchemalocation="http://www.w3.org/2001/X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESTful Web Services
                          2 <modelVersion>4.0.0/modelVersion>
3 <groupId>com.nareshit</groupId>
4 <artifactId>web_aug99</artifactId>
5 <version>1.0</version>
5 <packaging>wan/packaging>wan
7 <name>web_aug99
/name>

                                        Deployment Descriptor: web_aug09
                                  > Paya Resources
                                   ✓ 🌀 Deployed Resources
                                          > EMETA-INF
                                                  > WEB-INF
                                                                                                                                                                            <description/>
                                                                                                                                                           90 cproperties>
                                                                                                                                                   > bweb-resources
                                          ✓ 🐎 webapp

> 🎏 META-INF
                                                        > 📂 WEB-INF
                                                                                                                                                       19
20
                                                                                                                                                                                               <source>1.8</source>
<target>1.8</target>
                                                                                                                                                                                      pom.xml
                                                                                                                                                       21
22
                                                                                                                                                     22
23 • 24
25
26 • 27
28
29
30 <
                                                                                                                                                                                           </plugin>
                                                                                                                                                    Overview Dependencies Dependency Hierarchy Dependency Graph Effective POM pom.xml
23.
```

24. Open pom.xml and ad the below dependencies:

```
<dependencies>
                                                                                             <dependency>
                                                                                                                             <groupId>org.springframework</groupId>
                                                                                                                             <artifactId>spring-context</artifactId>
                                                                                                                             <version>6.1.11
                                                                                             </dependency>
                                                                                             <dependency>
                                                                                                                             <groupId>org.springframework</groupId>
                                                                                                                             <artifactId>spring-webmvc</artifactId>
                                                                                                                             <version>6.1.11
                                                                                             </dependency>
                                                             </dependencies>
                                                                                        10 cproject xmlns="http://maven.apache.org/POM/4.0.0"
P type filter text

> ▲ RESTful Web Services

→ ₩ web_aug09
                                                                                                       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemalocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
cmodelVersion>4.0.0c/modelVersion>
cgnoupfJocom.nareshitt/groupId>
cartifactId>web_aug09</artifactId>
cversion>1.0c/version>
cyackaging>war</packaging>
cname>web_aug09</artifactId>
chastifactId>
chastifactId>
control of the third of th
      > ¶ Deployment Descriptor: web_aug09
> Playa Resources

▼ G Deployed Resources

          ✓ 🐎 webapp

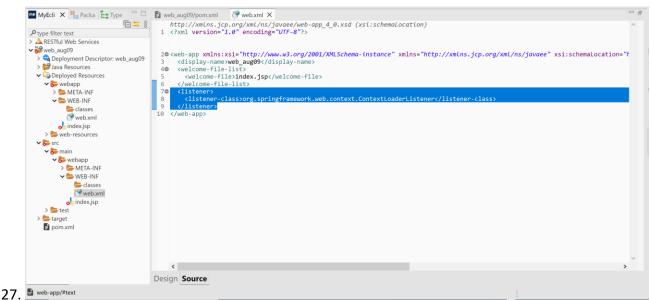
> 🌦 META-INF
               > > WEB-INF
                   index.jsp
                                                                                                        <description />
                                                                                                       cyclet.build.sourceEncoding>UTF-8
                                                                                     110
          > bweb-resources
                                                                                     12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

▼ Se webapp

> META-INF

                   > > WEB-INF
           > = test
         pom.xml
                                                                                                         <build>
                                                                                     280
                                                                                      290
                                                                                                                                      <artifactId>maven-compiler-plugin</artifactId>
                                                                                    Overview Dependencies Dependency Hierarchy Dependency Graph Effective POM pom.xml
```

- 25. Define the dispatcher servlet entry in web.xml.
- 26. Remove the following the entry in web.xml and make sure index.jsp as a home page



## 28. Web.xml code:

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
      xmlns="http://xmlns.jcp.org/xml/ns/javaee"
      xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
      id="WebApp_ID" version="4.0">
      <display-name>web_aug09</display-name>
      <welcome-file-list>
             <welcome-file>index.jsp</welcome-file>
      </welcome-file-list>
      <servlet>
             <servlet-name>dispatcher</servlet-name>
             <servlet-</pre>
class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
      </servlet>
      <servlet-mapping>
             <servlet-name>dispatcher</servlet-name>
             <url-pattern>/</url-pattern>
      </servlet-mapping>
</web-app>
```

```
💺 > 🔐 web_aug09 > 🐎 src > 🐎 main > 🐎 webapp > 🐎 WEB-INF > 🔭 web.xml
                         P type filter text
> ARESTful Web Services
                          > A RESTful Web Services

* # web_aug09

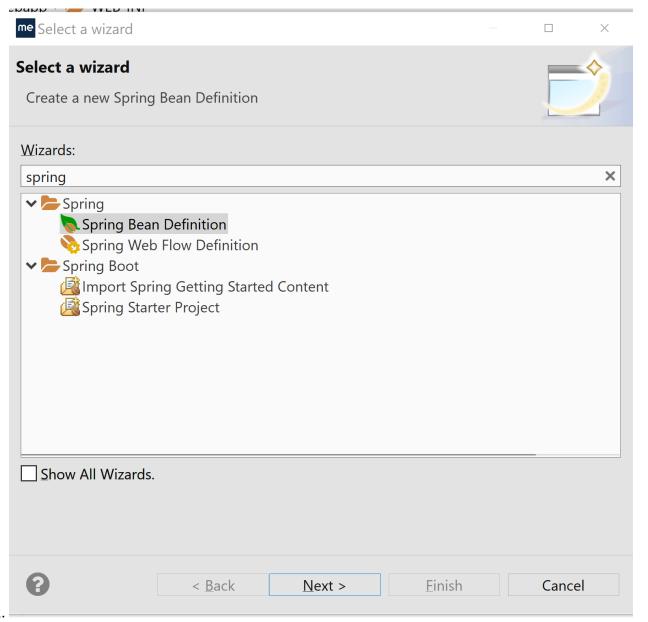
> $ Deployment Descriptor: web_aug09

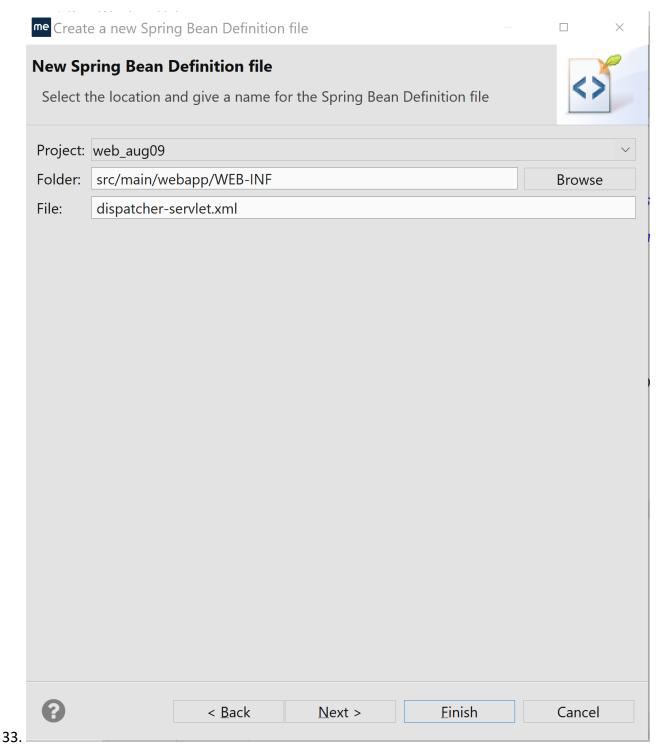
> # Java Resources

• Deployed Resources
                                                                                                                                                                                     o-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsisschemalocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
                                                                                                                                                                                  xsi:schemalocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/jav
                                          ✓ ► webapp
> ► META-INF
                                                  ∨ > WEB-INF
                                                           classes web.xml
                                              index.jsp

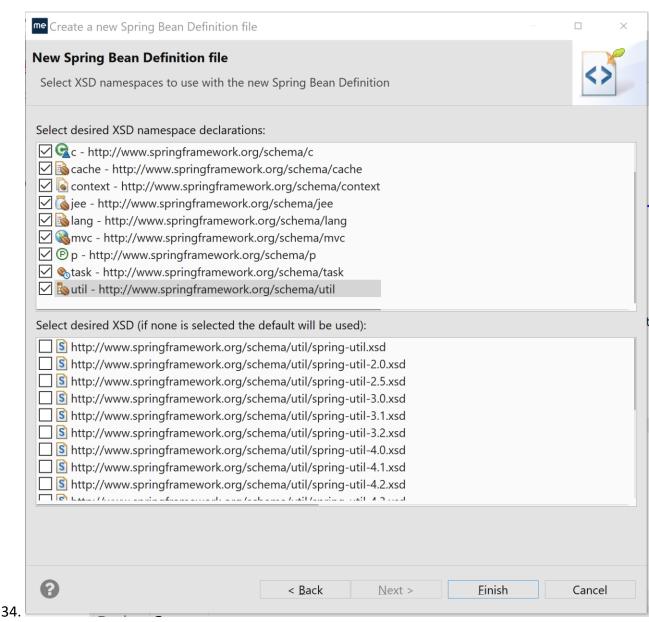
web-resources
                                                  > META-INF
WEB-INF
                                                                     classes web.xml
                                                               o index.jsp
                                  > test
                                        pom.xml
                                                                                                                                                      Design Source
29. i xml
```

- 30. Create a spring configuration file name as: dispatcher-servlet.xml under WEB-INF folder.
- 31. Right click on WEB-INF folder and New → Other → Spring Bean Definition and click Next





And click Next and enable all XML name spaces.



35. Enter the following lines in dispatcher-servlet.xml file

<mvc:annotation-driven/>
<context:component-scan base-package="com.nareshit"/>

```
File Edit Source Refactor Source Navigate Search Project Run Wir
 💺 > 🔐 web_aug09 > 🐉 src > 🕵 main > 🕵 webapp > 🚨 WEB-INF > 🐒 dispatcher-servlet.xml
 me MyEcli X ♣ Packa ♣ Type ☐ 🖟 web_aug09/pom.xml 🤭 web.xml 🐧 dispatcher-servlet.xml 🗶
                          Workspace lter text
                                                                                        Ē≒ 8
                                                                                                                      http://www.springframework.org/schema/beans/spring-beans.xsd (xsi:schemaLocation) | http://www.springframework.org/schema/aop/1 <?xml version="1.0" encoding="UTF-8"?>
               RESTful Web Services
   web_aug09
                                                                                                                         20 cbeans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsis"http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/cop"

xmlns:ca=http://www.springframework.org/schema/c"

xmlns:cache="http://www.springframework.org/schema/cache"

xmlns:cane="http://www.springframework.org/schema/cache"

xmlns:context="http://www.springframework.org/schema/cache"
            Spring Beans
                  Deployment Descriptor: web_aug09
           > Baya Resources
              Deployed Resources
                                                                                                                                               xmlns:jee="http://www.springframework.org/schema/jee"
xmlns:lang="http://www.springframework.org/schema/long"
xmlns:mlp="http://www.springframework.org/schema/long"
xmlns:mlp="http://www.springframework.org/schema/long"
xmlns:mlp="http://www.springframework.org/schema/long"
xmlns:task="http://www.springframework.org/schema/long"
xmlns:task="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long"
xmlns:tuil="http://www.springframework.org/schema/long-beans.xs"
http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-jee-4.3.xsd
http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframework.org/schema/long-http://www.springframewo
                           META-INE
                                                                                                                                                 xmlns:jee="http://www.springframework.org/schema/jee
                         V ≥ WEB-INF
                                   classes
dispatcher-servlet.xml
web.xml
                              o index.jsp
                      web-resources
         ∨ Ssrc

∨ Sm
                         > Swebapp
           > 📂 target
               pom.xml
```

## 36. Dispatcher-servlet.xml code:

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"</pre>
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:aop="http://www.springframework.org/schema/aop"
      xmlns:c="http://www.springframework.org/schema/c"
      xmlns:cache="http://www.springframework.org/schema/cache"
      xmlns:context="http://www.springframework.org/schema/context"
      xmlns:jee="http://www.springframework.org/schema/jee"
      xmlns:lang="http://www.springframework.org/schema/lang"
      xmlns:mvc="http://www.springframework.org/schema/mvc"
      xmlns:p="http://www.springframework.org/schema/p"
      xmlns:task="http://www.springframework.org/schema/task"
      xmlns:util="http://www.springframework.org/schema/util"
      xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
             http://www.springframework.org/schema/aop
http://www.springframework.org/schema/aop/spring-aop-4.3.xsd
             http://www.springframework.org/schema/cache
http://www.springframework.org/schema/cache/spring-cache-4.3.xsd
             http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-4.3.xsd
             http://www.springframework.org/schema/jee
http://www.springframework.org/schema/jee/spring-jee-4.3.xsd
             http://www.springframework.org/schema/lang
http://www.springframework.org/schema/lang/spring-lang-4.3.xsd
             http://www.springframework.org/schema/mvc
http://www.springframework.org/schema/mvc/spring-mvc-4.3.xsd
             http://www.springframework.org/schema/task
http://www.springframework.org/schema/task/spring-task-4.3.xsd
```

37. Create a Controller class → HelloController

me New Java Class				×
Java Class  Create a new Java class.			C	+
Source fol <u>d</u> er: Package: Enclosing type:	web_aug09/src/main/java com.nareshit.controller		Browse Browse	•
Na <u>m</u> e:	HelloController			
Modifiers:	<ul><li>● public package _</li><li>■ abstract □ final □ static</li></ul>	_		
<u>S</u> uperclass:	java.lang.Object		Brows <u>e</u>	•
<u>I</u> nterfaces:			<u>A</u> dd	
			Remove	
Which method stubs would you like to create?				
	public static void main(String[] args	5)		
	Constructors from superclass			
✓ Inherited abstract methods  Do you want to add comments? (Configure templates and default value here)  ☐ Generate comments				
3		<u>F</u> inish	Cancel	

39. HelloController.java code:

38.

package com.nareshit.controller;

```
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;

@Controller
public class HelloController {

         @RequestMapping("/sayHello")
         public String sayHello() {
               return "hello";
         }
}
```

- 40. Spring expects a view to be returned to dispatcher servlet. So, it is also required to attach both prefix and suffix paths for this name "hello".
- 41. The dispatcher-servlet.xml should be as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"</pre>
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:aop="http://www.springframework.org/schema/aop"
      xmlns:c="http://www.springframework.org/schema/c"
      xmlns:cache="http://www.springframework.org/schema/cache"
      xmlns:context="http://www.springframework.org/schema/context"
      xmlns:jee="http://www.springframework.org/schema/jee"
      xmlns:lang="http://www.springframework.org/schema/lang"
      xmlns:mvc="http://www.springframework.org/schema/mvc"
      xmlns:p="http://www.springframework.org/schema/p"
      xmlns:task="http://www.springframework.org/schema/task"
      xmlns:util="http://www.springframework.org/schema/util"
      xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
             http://www.springframework.org/schema/aop
http://www.springframework.org/schema/aop/spring-aop-4.3.xsd
             http://www.springframework.org/schema/cache
http://www.springframework.org/schema/cache/spring-cache-4.3.xsd
             http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-4.3.xsd
             http://www.springframework.org/schema/jee
http://www.springframework.org/schema/jee/spring-jee-4.3.xsd
             http://www.springframework.org/schema/Lang
http://www.springframework.org/schema/Lang/spring-Lang-4.3.xsd
             http://www.springframework.org/schema/mvc
http://www.springframework.org/schema/mvc/spring-mvc-4.3.xsd
             http://www.springframework.org/schema/task
http://www.springframework.org/schema/task/spring-task-4.3.xsd
             http://www.springframework.org/schema/util
http://www.springframework.org/schema/util/spring-util-4.3.xsd">
      <mvc:annotation-driven />
      <context:component-scan</pre>
             base-package="com.nareshit" />
      <bean id='viewResoLver'</pre>
```

42.

43.

44.