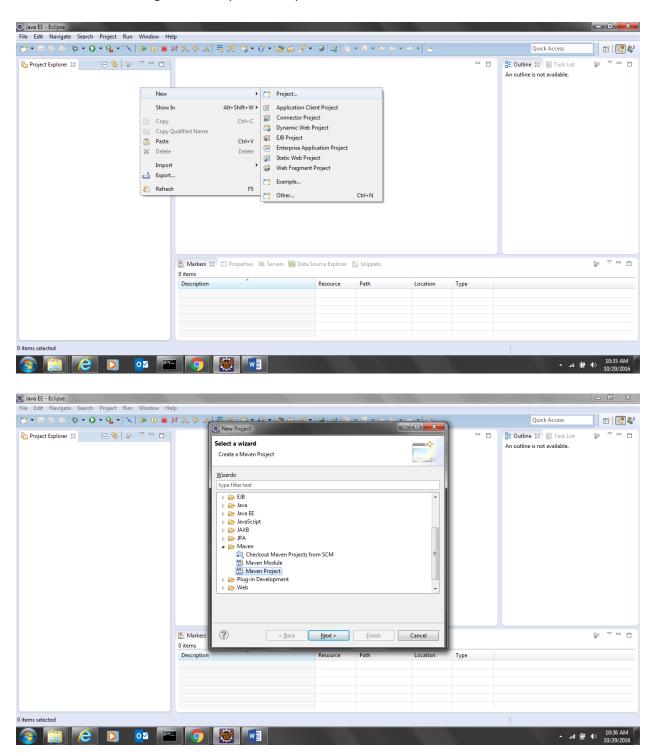
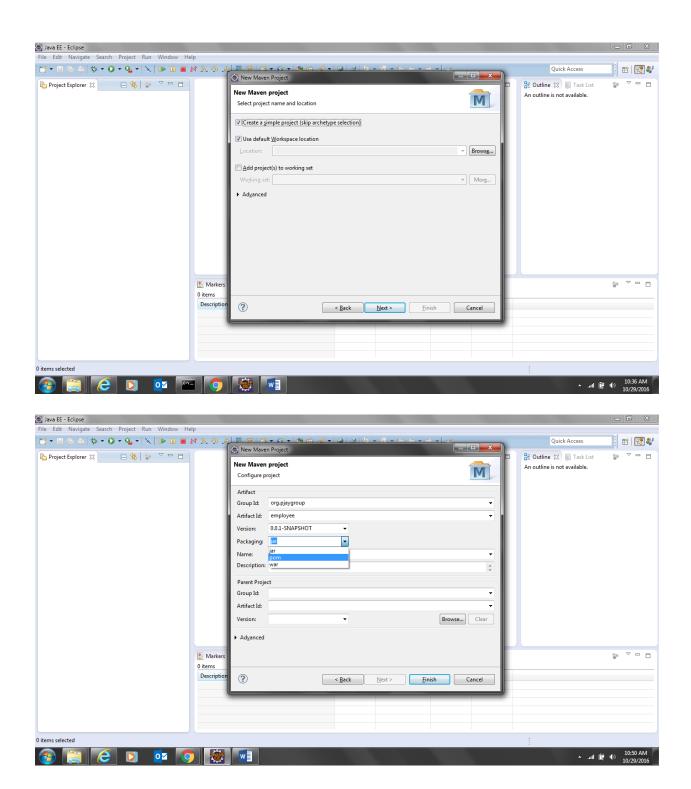
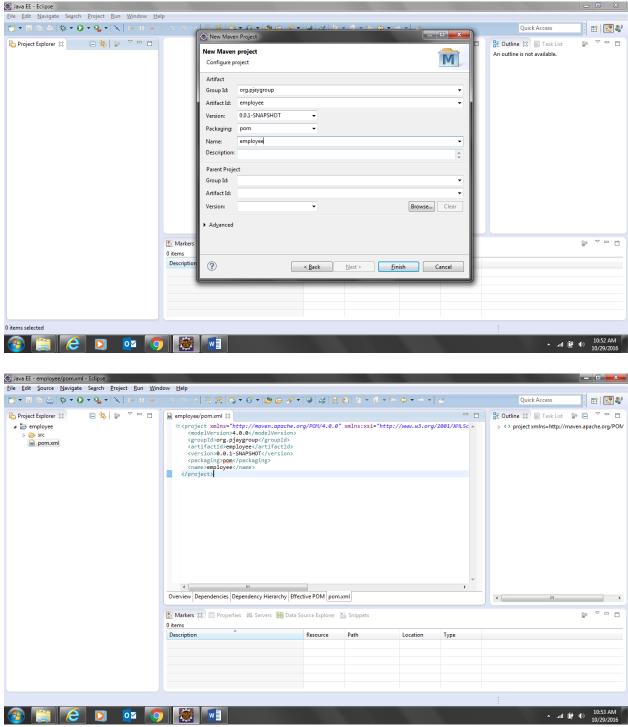
Maven Multiple Module Project

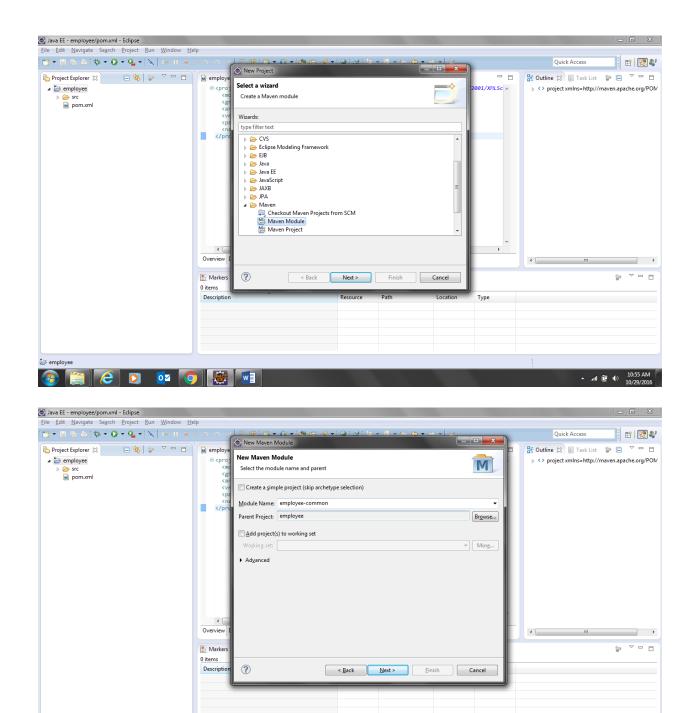
We will create this using new workspace in eclipse





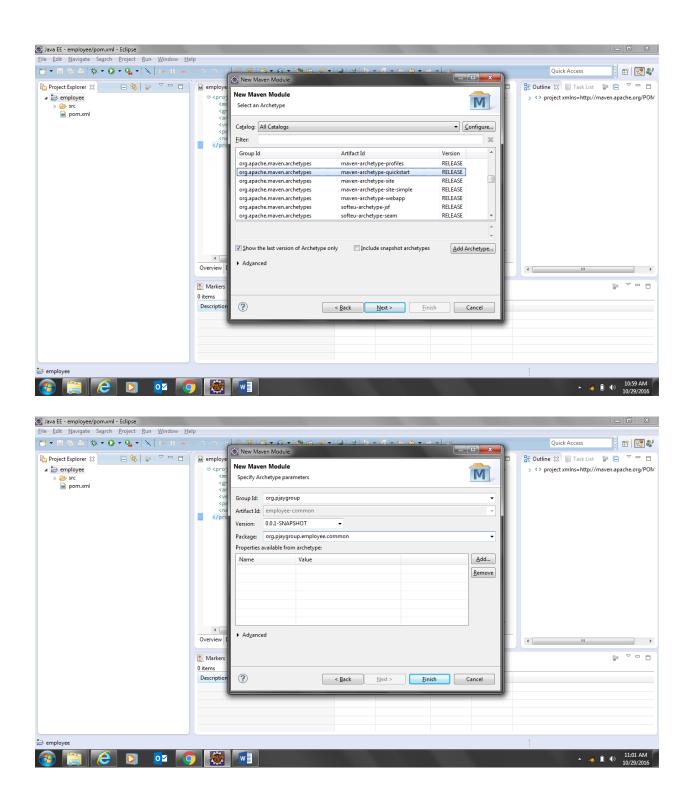


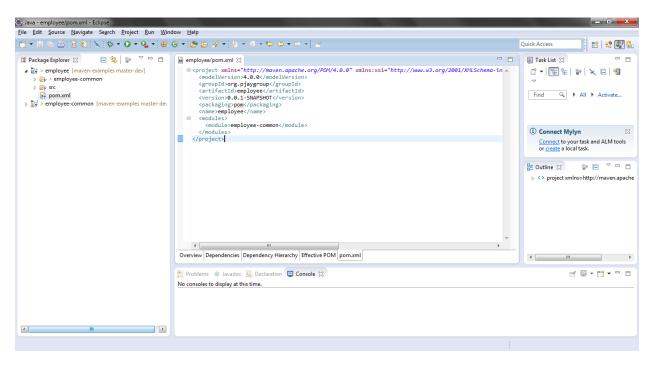
Now Let's create one java project, two web application modules and an assembler under this parent maven project employee

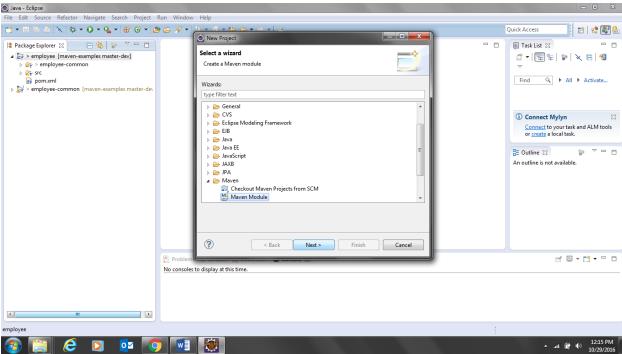


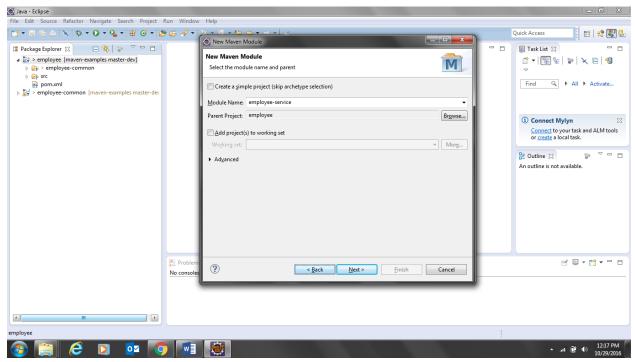
employee-common java project

🗁 employee

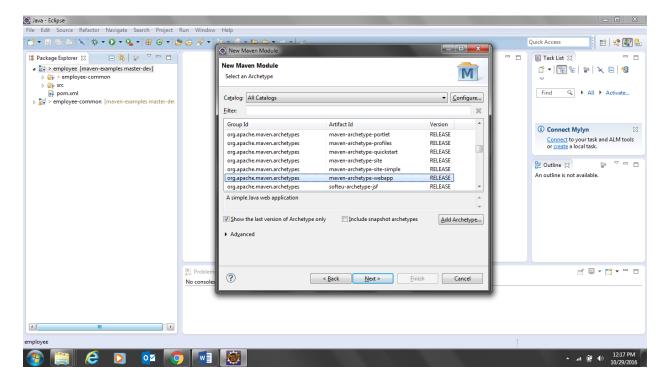


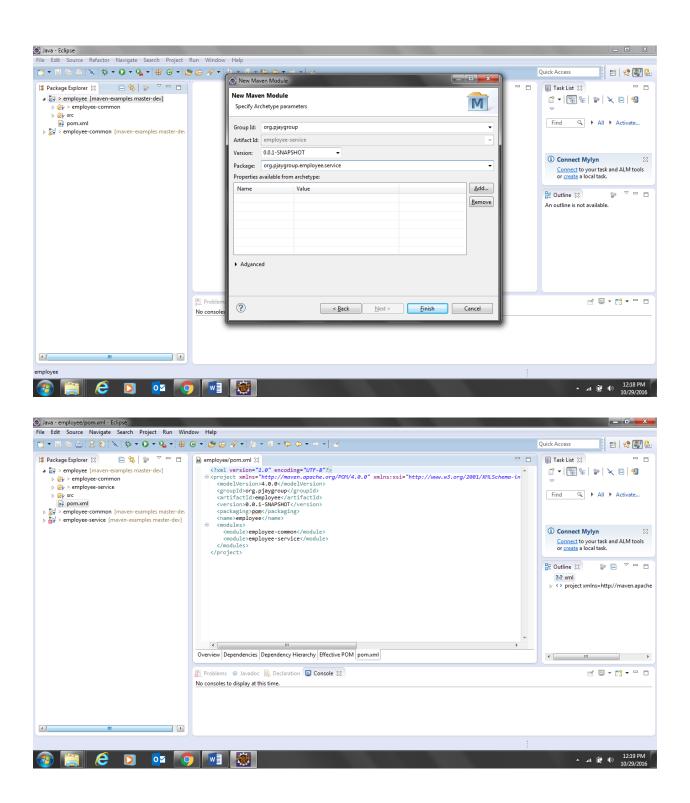


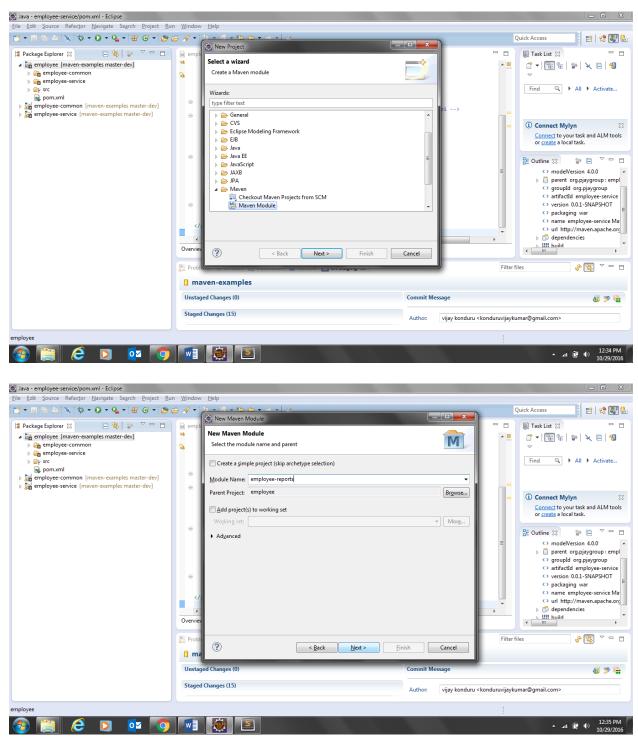




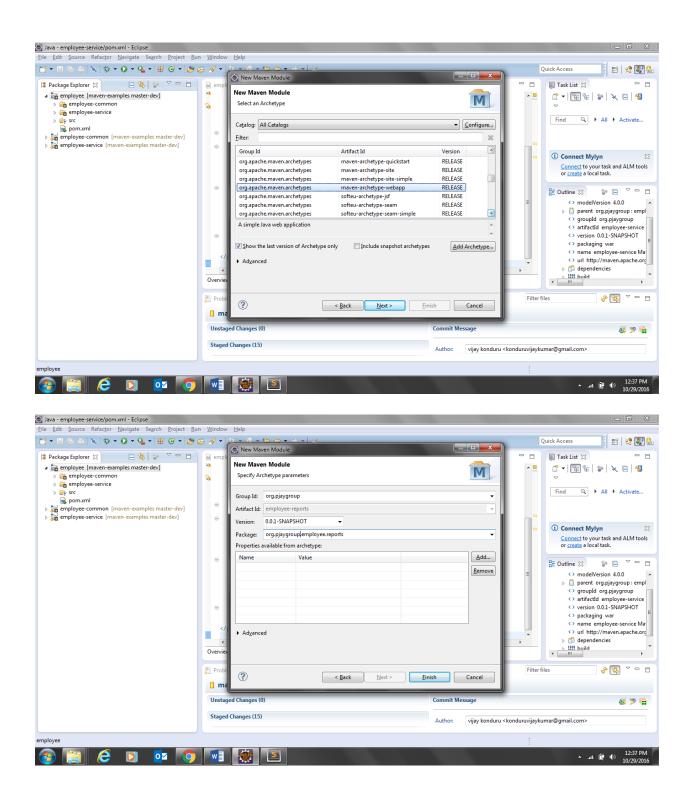
employee-service web application

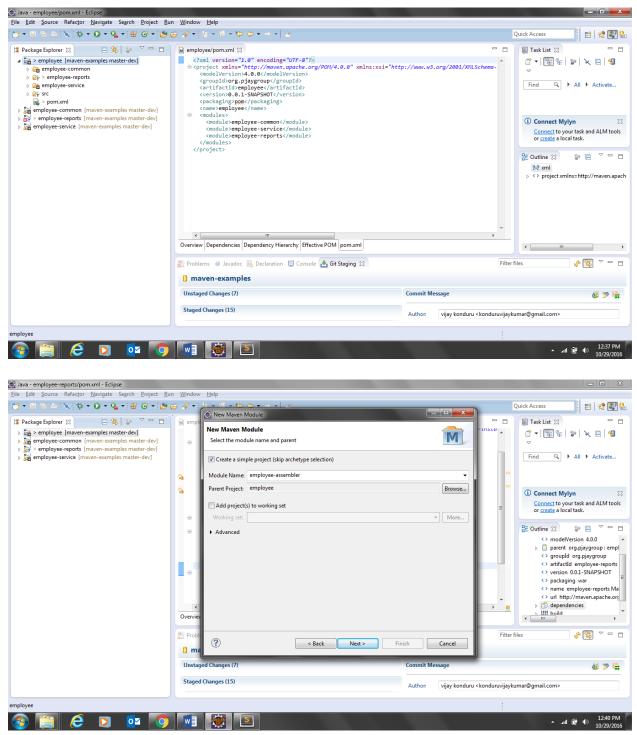




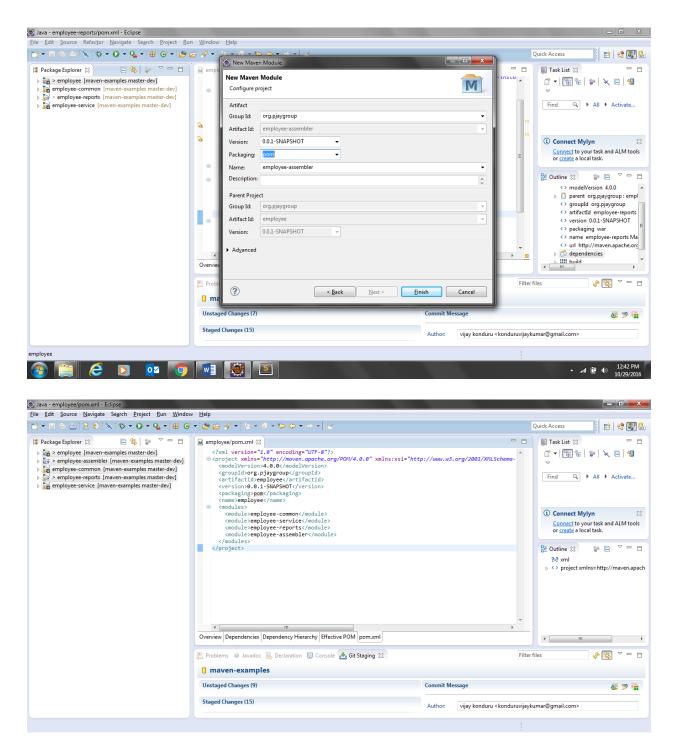


employee-reports web app





Simple project with pom packaging

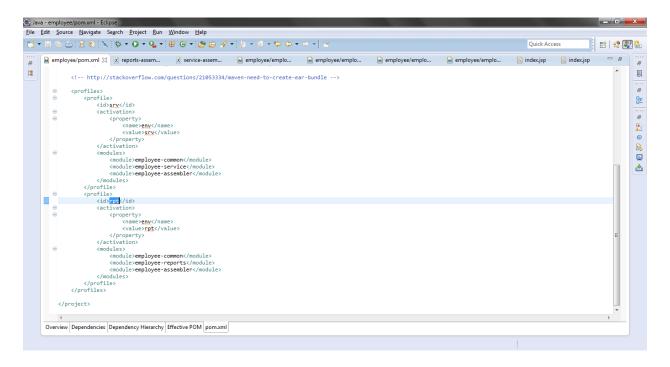


Multi module projects are created now.

We will modify code to create different wars with dependency on commons java project and an assembler for packaging war as "tar.gz"

We will create some profiles to run different war project assembling, which are provided below.

We have two profiles in parent employee pom.xml "srv, rpt" srv - runs only common, service, assembler modules rpt - runs only common, reports, assembler modules



We have two profiles in assembler pom.xml "asmb-srv, asmb-rpt" asmb-srv - packages service module as "tar.gz" asmb-rpt - packages reports module as "tar.gz"

```
Java - employee/employee-assembler/pom.xml - Eclipse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       _ 🗆 🗆 X
   File Edit Source Navigate Search Project Run Window Help
   📔 🖆 😭 🔠
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouick Access
                           🗎 employee/pom.xml 🗓 reports-assem... 🗓 service-assem... 🖟 employee/emplo... 🖫 employee/emplo... 🖄 🖮 employee/emplo... 🗎 employee/emplo... 🛍 employee/emplo... 🐚 employee/emplo...
                                                                                     -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <u>...</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              @
                                                                                                                                                               <plugins>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            variable continued the continued of the continued of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            •
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4
                                                                                                                                                                                                             ciodest srv</id>
<indest srv</id>
</or>
cygoals>
</goals>
</goals>
</ordinguration>
</ordinguration>
</ordinguration>
</ordinguration>
</ordinguration>
</ordinguration>
</ordinguration>
</ordinguration>
</ordinautoridation>

continuo ordinautoridation

formation ordinautoridation

formation

forma
                                                                                                                                                                                       </executions>
</plugin>
                                                                                                                                                               </plugins>
                                        Overview Dependencies Dependency Hierarchy Effective POM pom.xml
```

asmb-srv

```
Java - employee/employee-assembler/src/main/resources/service-assembly.xml - Eclipse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            _ 0 X
 File Edit Source Navigate Search Project Run Window Help
🔡 🖺 😭
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Quick Access
    🔐 🖟 🗎 employee/pom.xml 🖹 reports-assem... 🖟 service-assem... 🕱 🕍 employee/emplo... 🖟 employee/emplo... 🖟 employee/emplo... 🖟 employee/emplo... 🖟 employee/emplo...
                           Consensity of the state of the 
  8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  먎
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8
                                             <includeBaseDirectory>false</includeBaseDirectory>
                                                     @
                                             <files:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ▣
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <u></u>
                    Design Source
                                                                                                                                                                                                                                                                                                                                                                                            Smart Insert 13:77
 assembly/files/file/#text
                                                                                                                                                                                                                                                                                                                                                 Writable
```

```
Java - employee/employee-assembler/pom.xml - Eclipse
 File Edit Source Navigate Search Project Run Window Help
Ouick Access
                                                                                                                                                                                             🔡 🖺 😭
     🖟 employee/pom.xml 🕱 reports-assem... 😨 service-assem... 🛣 employee/emplo... 🕱 🕍 employee/emplo... 🛍 employee/emplo... 🛍 employee/emplo... 🛍 employee/emplo...
                   com.xml (g) reports-assem... (g) servic

c/profile>
c/profile>
<dativation>
c/property>
<name>env</name>

c/property>
</activation>
c/property>
</activation>
c/property>
</activation>
c/prime
property>
</activation>
c/pull
 -
                                                                                                                                                                                                            B=
                                                                                                                                                                                                            <build>
                            <plugins>
                                 gansy

cartifactId>mayen-assembly-plugin

/artifactId>

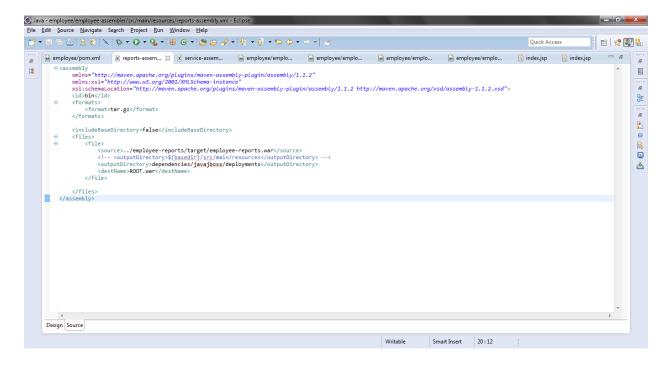
cinherited>true
/inherited>

cversion>2.4
/version>
                                                                                                                                                                                                            •
                                                                                                                                                                                                            4
                                     <executions>
                                         <execution:
                                             <id>dest-rpt</id>
                                        <phase>package</phase>

</plugin>
</plugins>
</build>

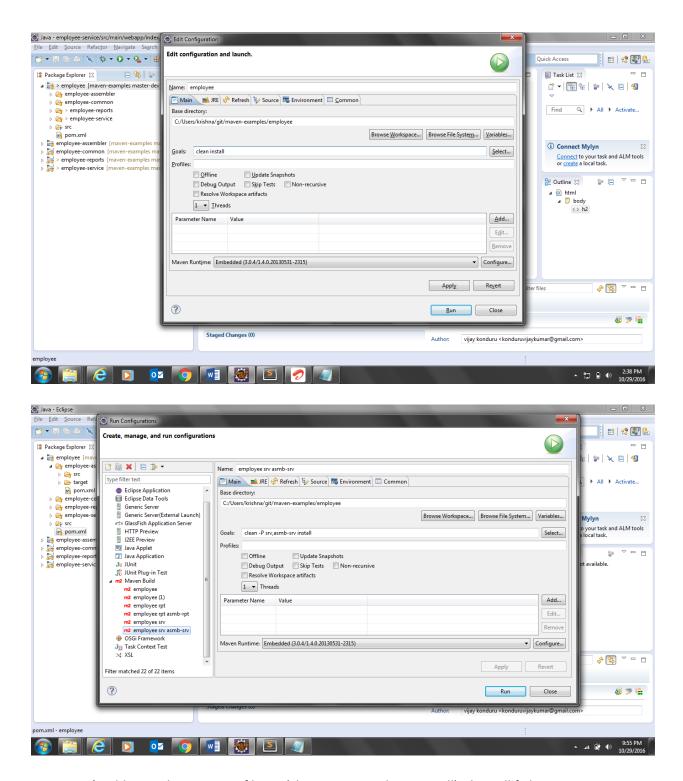
                                     </executions>
       Overview Dependencies Dependency Hierarchy Effective POM pom.xml
```

asmb-rpt



While both can use same id srv, rpt instead of using other id asmb-srv, asmb-rpt and run maven build as below with two profile parameters.

- 1) "clean -Psrv install" -- instead of "clean -P srv,asmb-srv install"
- 2) "clean -Prpt install" -- instead of "clean -P rpt,asmb-rpt install"



Note: Don't add space between profiles in (clean -P srv,asmb-srv install), this will fail

clean -Psrv install

clean -Prpt install

clean -P srv,asmb-srv install

clean -P rpt,asmb-rpt install

let's change profile id's asmb-srv to srv and asmb-rpt to rpt. This will work with below commands clean -Psrv install clean -Prpt install