
PROBLEMS:

- [1] Create a maven archetype project from command line providing groupid and artifactid as input parameters.
- [2] Create a project where the packaging type is "jar" file and install that into local repository.
- [3] Create a different project. Add the above project as dependency. Develop an application using above APIs from the above jar and check if it is working fine at compile time and run time.
- [4] Create a projects with 2 independent modules where each module will have its own "pom.xml" and main project "pom.xml" is configured as parent.
- [5] Create a project and build it for different profiles.
- [6] Create a web application using maven archetype and deploy it on tomcat server.
- [7] Create a maven project in eclipse, write the test cases for employee project and build it.

SOLUTIONS:

- [1]
{1} mvn archetype:generate -DgroupId="example.maven.sampleproject"
-DartifactId=SampleMavenProjectExample -DinteractiveMode=false > OUTPUT-1

- [2]
{1} mvn archetype:generate -DgroupId="demo.hello.app" -DartifactId=HelloWorld
-DinteractiveMode=false > "OUTPUT-2(1)"

{ } cd HelloWorld

{2} mvn clean package > "OUTPUT-2(2)"

{3} mvn install > "OUTPUT-2(3)"

- [3]
{1} mvn archetype:generate -DgroupId="demo.mvn.prg" -DartifactId=DemoMvnPrg
-DinteractiveMode=false > "OUTPUT-3(1)"

{ } cd DemoMvnPrg

{2} mvn install:install-file

-Dfile="C:\Users\abadh\OneDrive\Documents\VirtusaTrainingAssignments\Maven_Assignment(04Oct2022)\Project 2\HelloWorld\target\HelloWorld-1.0-SNAPSHOT.jar"
-DgroupId="demo.hello.app"

```
-DartifactId=HelloWorld
-Dversion="1.0"
-Dpackaging=jar
> "OUTPUT-3(2)"
```

```
{3} mvn clean compile test > "OUTPUT-3(3)"
```

```
[4]
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```
{1} mvn archetype:generate -DgroupId="eg.sample.app" -DartifactId=SampleApp
-DinteractiveMode=false > "OUTPUT-4(1)"
```

```
{2} mvn archetype:generate -DgroupId="eg.demo.prg" -DartifactId=DemoPrg
-DinteractiveMode=false > "OUTPUT-4(2)"
```

```
[5]
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```
{1} mvn archetype:generate -DgroupId="my.personal.app"
-DartifactId="MyPersonalApp" -DinteractiveMode=false > "OUTPUT-5(1)"
```

```
{ } cd MyPersonalApp
```

```
{2} (Added different profiles in pom.xml)
```

```
{3} mvn clean compile package > "OUTPUT-5(2)"
```

```
{4} mvn clean compile test package -Penv1 > "OUTPUT-5(3)"
```

```
{5} mvn clean compile test package -Penv2 > "OUTPUT-5(4)"
```

```
[6]
```

```
{1} mvn archetype:generate -DgroupId="ex.sample.webapp"
-DartifactId=SampleWebApp -DinteractiveMode=false
-DarchetypeArtifactId=maven-archetype-webapp > "OUTPUT-6(1)"
```

```
{ } cd SampleWebApp
```

```
{2} mvn clean compile package > "OUTPUT-6(2)"
```

```
{3} mvn tomcat7:run-war > "OUTPUT-6(3)"
```

```
[7]
```

```
{1} (Finished writing all necessary source codes.)
```

```
{2} mvn clean compile package > "OUTPUT-7"
```