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PROBLEMS:
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[1] Create a maven archertype 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. Develope
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.

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SOLUTIONS:
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 [1]
 {1} mvn archetype:generate -DgroupId="example.maven.sampleproject"
-DartifactId=SampleMavenProjectExample -DinteractiveMode=false  > OUTPUT-1
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 [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)"
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 [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_Assig
nment(04Oct2022)\Project 2\HelloWorld\target\HelloWorld-1.0-SNAPSHOT.jar"
     -DgroupId="demo.hello.app"
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        -DartifactId=HelloWorld
        -Dversion="1.0"
        -Dpackaging=jar
        > "OUTPUT-3(2)"

  {3} mvn clean compile test > "OUTPUT-3(3)"
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[4]
{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)"
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[5]
{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)"
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[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)"
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[7]
{1} (Finished writing all necessary source codes.)

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