Maven Command Sheet

Create Project

create java project

mvn archetype:create -DgroupId=org.yourcompany.project -DartifactId=application

create web project

mvn archetype:create -DgroupId=org.yourcompany.project -DartifactId=application -DarchetypeArtifactId=maven-archetype-webapp

basic project tasks

clean project: will delete target directory

mvn clean

validate project: validate the project is correct and all necessary information is available

mvn validate

compile project: compile source code, classes stored in target/classes

mvn compile

test project: run tests using a suitable unit testing framework

mvn test

package project: take the compiled code and package it in its distributable format, such as a JAR / WAR

mvn package

verify project: run any checks to verify the package is valid and meets quality criteria

mvn verify

install project: install the package into the local repository, for use as a dependency in other projects locally

mvn install

deploy project: done in an integration or release environment, copies the final package to the remote repository for sharing with other developers and projects

mvn deploy

deploy-file: can be used for deploying a external jar file to repository mvn

deploy:deploy-file -Dfile=/path/to/jar/file -DrepositoryId=repos-server -Durl=http ://repos.company.org/test -DgroupId=javax -DartifactId=mail -Dpackaging=jar - Dversion=1.0.1

Eclipse integration

create metainformation: meta files for eclipse are created, can be used for project import

mvn eclipse:eclipse

create metainformation with wtp: same like create metainformation + WTP plugin infos

mvn -Dwtpversion=1.5 eclipse:eclipse

tell eclipse where local repository is located

mvn -Declipse.workspace=/path/to/workspace eclipse:add-maven-repo

run maven tasks in maven (maven eclipse plugin must be installed)

add maven as external tool – in the dialog there should be a category called 'm2 build'
– create new and enter informations – you need to specify every goal seperate.

tomcat integration

deploy webproject to tomcat

mvn tomcat:deploy

redeploy webproject, didn't worked in my test environment

mvn tomcat:redeploy

undeploy webproject

mvn tomcat:undeploy

stop context on tomcat

mvn tomcat:stop

start context on tomcat

mvn tomcat:start

Create Parent project

mvn archetype:generate

Choose a number or apply filter

org.codehaus.mojo.archetypes:pom-root

Choose org.codehaus.mojo.archetypes:pom-root version: 1.1 (versions)

Define value for property 'groupId': com.self

Define value for property 'artifactId': simple-apps

Define value for property 'version' 1.0-SNAPSHOT: : 1.0

Define value for property 'package' com.self: : pom

Confirm properties configuration:

groupId: com.self

artifactId: simple-apps

version: 1.0

package: pom

 Y: : Y

Eg.

```
[INFO] Using following parameters for creating project from Archetype: pom-root:1.1
[INFO] ----------------------------------------------------------------
[INFO] Parameter: groupId, Value: com.sbi
[INFO] Parameter: artifactId, Value: merchant-apps
[INFO] Parameter: version, Value: 1.0
[INFO] Parameter: package, Value: pom
[INFO] Parameter: packageInPathFormat, Value: pom
[INFO] Parameter: package, Value: pom
[INFO] Parameter: version, Value: 1.0
[INFO] Parameter: groupId, Value: com.sbi
[INFO] Parameter: artifactId, Value: merchant-apps
[INFO] Project created from Archetype in dir: C:\Karthick\Project\oxy-space\merchant-apps
[INFO] ----------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ----------------------------------------------------------------
[INFO] Total time: 08:47 min
[INFO] Finished at: 2018-05-30T07:59:55+05:30
[INFO] Final Memory: 14M/174M
[INFO] ----------------------------------------------------------------
```