Introduction to Maven and its Video No3: Life cycle

What is Maven ?

- * Build generation
- * Dependency Resolution
- * Documen tation,

Marien uses pom 7 Broject Object Model)

when "maven" (ommand Is given, it looks for "pom. xml" in the current directory & get the needed Configuration,

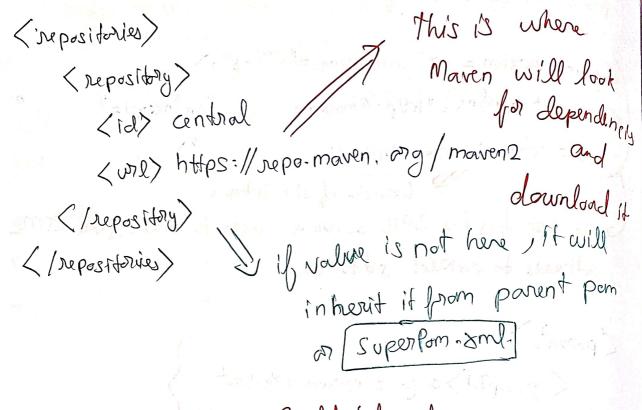
(Structure of Pom. aml.)

Application name - S71C

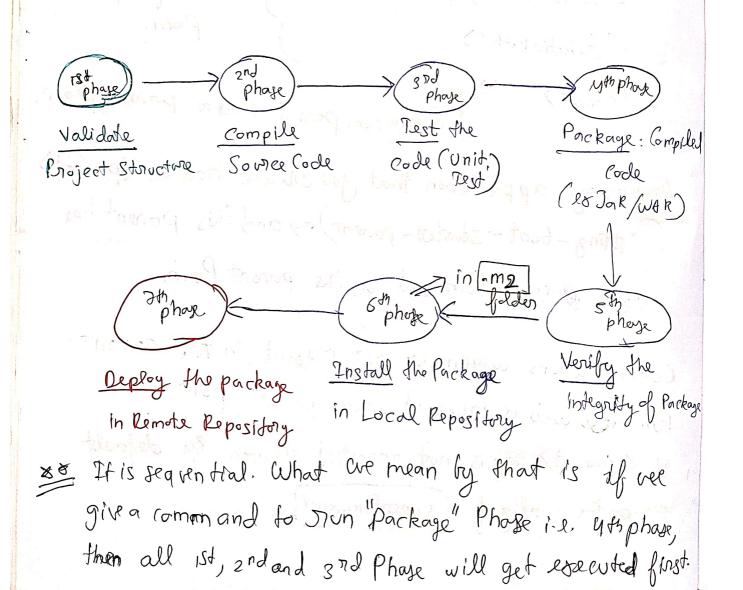
L Com L group Id test
L Java
L Com groupID antifactId

- Jaya

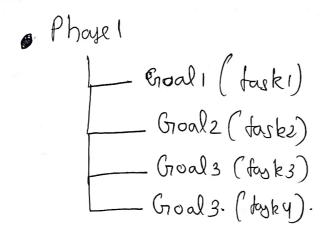
Now we will decifer the pom. and file
Ryaml version = "1.0" encoding = "UTF-8"?
<pre>C project &mlns = "http://maven "&mlns:xsi=""</pre>
XSi: schemalocation = "http:// ">
Location of the Schema
It specifies the SML Schema, also to make sure SML
adheres to correct structure.
<pre> </pre>
Eartharded) Spring-bost-Stonten-parent) Used to
(version) 3.2-3 define parent
(relative Poth/)
(I parent) > Every com ponent has a parent pom.
And the same of th
And every application that you create has a sparent
(Spring-600t-starter-parent) = and This parent
Spor possuper Pom. and as the parent Pom.
Configurations which are not present in the corrent
confidmations and in or han,
Pom was will be inherited from parent pom.
Il < parent> tag is not specified maven by default
Picke the config of Superform-sml.



Maven Build Lifecycle



Each phase has muldiple goals, we can say fasts as well.



If you want to run the Groal 3 of Phase 4, then all the goals of previous phases and their tooks will get executed sequentially and then to corrent took.

Phase 1 - all tooks, Phase 2 -> all tooks, Phase 3 -> all tooks, Phase 4 -> Goal 1, Goal 2, Goal 3.

Imp: Inside the pom.xml there is a <boild) tag.

(buld)

(plugin)

(apaupid)

(antifactid)

The phase required.

<1601ld>

if I want to add a new task to any of the phase. then I have to add in the

build> 7 in pom. ord.

Validat:

mvn validate

< build>

< plugin>

(groupId) org.maven.apache.pluging (/groupId)

(artifacted) moven-checketyle-plugin (/artifacted)

(vension) 3-1-2 (/vension)

< executions>

(execution) velocities (notion)

<id>validate-checkstyle </id>

phase in which x phase > validate </phase>

you want to add the (gable)

gool

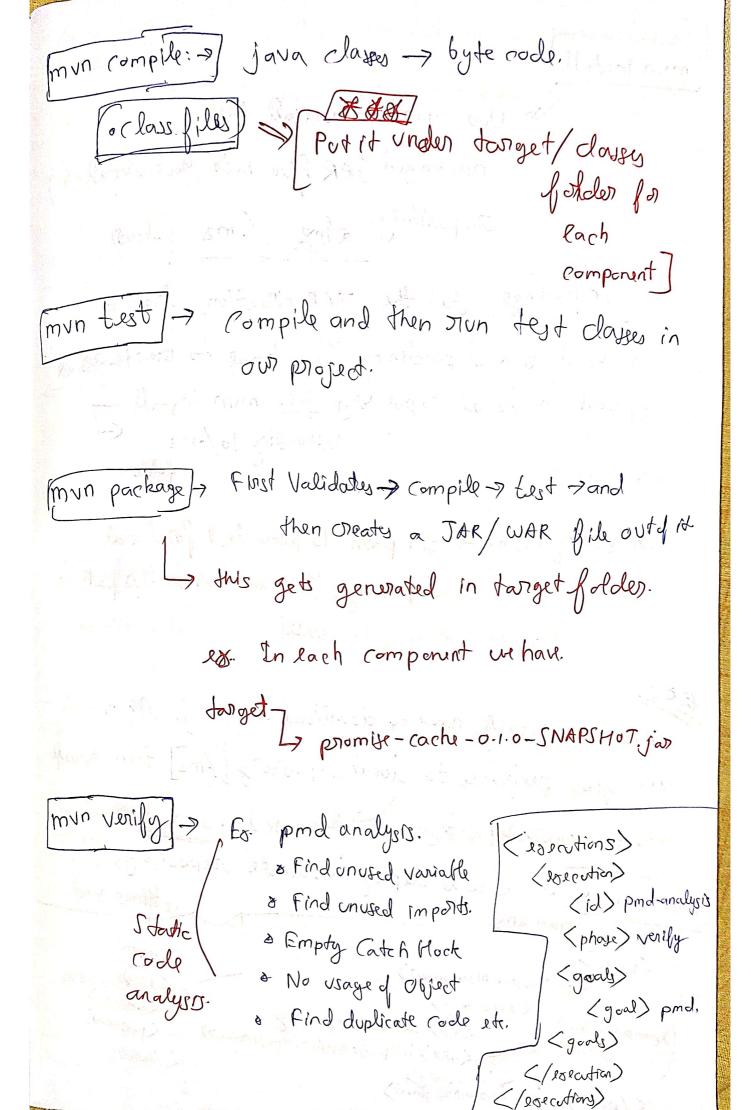
(goal) check (/goal) \(\langle \) | \(\text{Actual god} \)

 \(\langle \) | \(\text{Pactual god} \).

This is the new task.

(/plugin)

</build>



mun install

you want to install the packaged TAR file into your local me pository. In I folder,

[mun package] did the JAR creation, how to be used on a dependency you have to one thousand upload in local repository in mun install — uploading to/me folder.

In settings-oml - the path 1s provided for local repository. You can change this path of well,

whenever are will have to download anything. Mover will give first preference to local repository [/mz] then it will theck remoto repository 7 Because of pomon. mun deploy > this will deploy to remote repository Lettings. 2ml. pan-sml (project) (tenter) dustribution Management> <id> (re bository (Soumple widmont < noonang) y remode-superfory > < UNL> HADS //: romote - repository - WIL (pass 020) </p (Jerver