**A Build Lifecycle is Made Up of Phases**

Each of these build lifecycles is defined by a different list of build phases, wherein a build phase represents a stage in the lifecycle.

For example, the default lifecycle comprises of the following phases (for a complete list of the lifecycle phases, refer to the [Lifecycle Reference](https://maven.apache.org/guides/introduction/introduction-to-the-lifecycle.html#Lifecycle_Reference)):

* validate - validate the project is correct and all necessary information is available
* compile - compile the source code of the project
* test - test the compiled source code using a suitable unit testing framework. These tests should not require the code be packaged or deployed
* package - take the compiled code and package it in its distributable format, such as a JAR.
* verify - run any checks on results of integration tests to ensure quality criteria are met
* install - install the package into the local repository, for use as a dependency in other projects locally
* deploy - done in the build environment, copies the final package to the remote repository for sharing with other developers and projects.

Output of the project could be WAR (web), EAR (enterprise), JAR (simple java project)

**Maven packages main source code, not tests.**