Maven : Maven is known as build tool.

Build tool is responsible to compile java program, run java, creating jar, war or ear etc, it help to download the external dependencies like jar file, it help to create the documentation of project.

Jar 🡪 collection of .java as well as .class file.

War/Ear 🡪collection of .html, .css, .js, .xml, .java,.jsp etc.

If we develop any java project without build tool we face the problem

To maintain the jar file.

Every tool follow their own project structure.

Eclipse

My Eclipse

Net IDE

Etc

In that IDE you need to create maven project. Maven follow global project structure.

So we can create maven project without IDE as well as with IDE.

If we want to run the maven project without IDE we need to set maven path.

And we need to run maven goal.

mvn validate

mvn compile

mvn clean

mvn test

mvn deploy

mvn package creating jar or war file.

Maven

Group id : collection of more than one projects.

Artifact id : actual project name.

Maven use pom.xml file project object model. It is a type of xml file

Which contains all project configuration details.