MAVEN ARCHETYPE: maven archetype is a template for creaing the project structure;

🡺there are two type of archetypes they are;

* Maven-archetype-quickstart : for simple project development
* Maven- archetype-webapp : for creating webapplication project

Pom.xml 🡺 pom stands for Project Object Model

It is the main file for maven projects.

Maven can build a project, if it contains pom.xml file.

Gradle

GRADLE TOOL:

==>It is an open-source build automation tool

==>Released in the year of 2007, Stable release came in 2009.

==>Gradle has taken advantages of both Ant and Maven and removed dis-advantages of Ant and Maven.

==>Gradle written in Groovy Language.

==>Gradle tools makes project build automation process easy.

==>Gradle tool used by large projects like Hibernate and Spring

WHAT IS PROJECT BUILD PROCESS;

===>Project build process contain several phases

1. Download Requiered Dependencies (ex: jdbc driver, hibernate, spring)
2. Add dependencies to project build path
3. Compile Project Source code
4. Execute Unit Tests
5. Package project as a jar or war file (executable artifact)

* By performing above steps, we will convert project source code into executable file