**Need Support: Android(Gradle Build System) & IOS(XCBuild)**

Impt Link:

1. 1. DevOps:
2. [http://www.devopsworld.co.in/p/devops-tutorials.html](http://www.devopsworld.co.in/p/devops-tutorials.html )
3. Moven: <http://www.devopsworld.co.in/p/maven-commands.html>

Maven=> It is build tools which run, compile and out the codebase

Build Automation Tool: Maven(for Java project , )Ant(For Java), Gradle, MSBuild, PyBuilder(For Python)

OS: Ubunto machine ( Linux Base OS)

**sudo apt update => for get/load all the packages**

**sudo apt install maven => install moven**

**mvn archetype:generate:** for get some sample code and chooses the sample project number to get it build

apt install tree: this packagr help to understood the tree/structure of project

tree => display the tree/strucker of current folder

mvn compile => to compile and generate executable file in target folder

mvn test => to execute your test cases through test command

ls target/ => inside all out build store inn target directory

ls target/surefire-reports => Your test out would here

mvn clean => for clear/delete the all output file & folder from target folder

mvn clean test => In single command clean & run the test command

mvn clean package => to generate jar file (clean, compile, test, package )

java –cp target/{yourJarFileName.jar} pakageName => To execute your jar file on your system

**Maven Build Life Cycle**

1. **Preparing the resources**
2. **Validate**
3. **Compile**
4. **Test**
5. **Package**
6. **Install**
7. **Deploy**