- Maren is a powceful project management tool that is based on pom (project object model). It is used for projects high, dependency and documentation.

problem without maven

Oadding set of Jaks in each prosect

@ creating the right project structule

3 Building and deploying the Possect.

- What it dies?

O It makes a project easy to build

1 It provides uniform build provess

3 It provides project information

- log document

- cross refessenced Bources

- mailing list

- dependeny list

- unit test sepost

(1) It is easy to originate for new features of maren.

moven helps to manage

- Builds

Doumentation

- Reposting

5CMs

- Releases

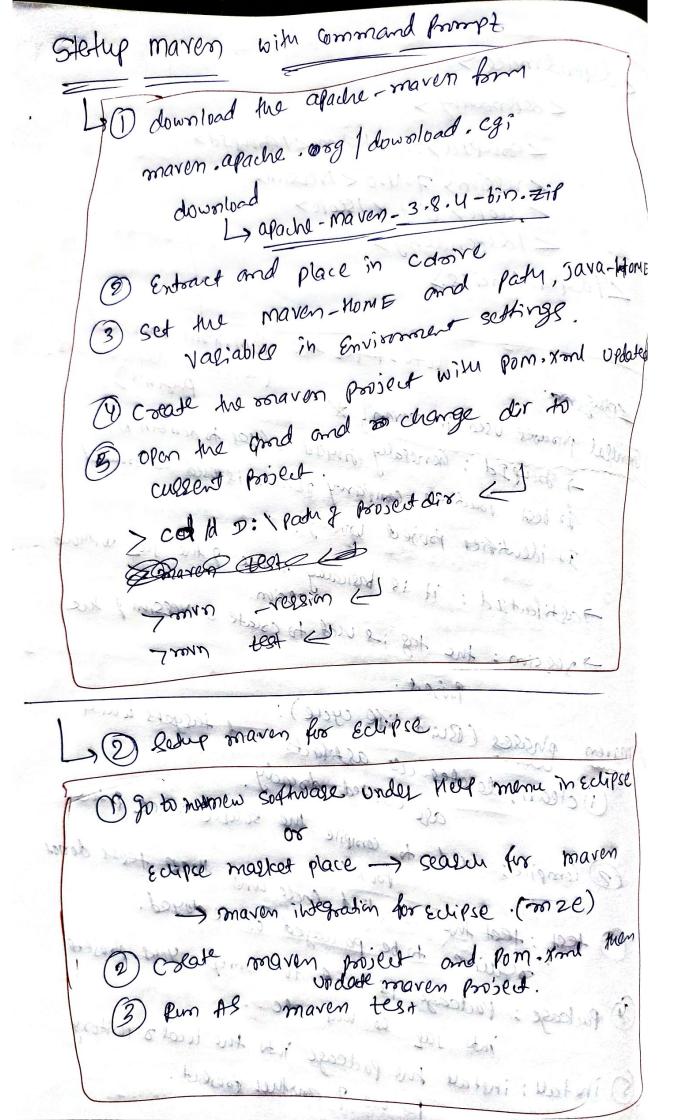
- distribution

- mailing list

phild tool take call of everything for building a provege
1 does following
Con reale soulce code
2 General documentation form Source Code
001850
3) installs the parleaged add in local repository. Server repository or condral reopository.
(3) instant more repository or condral occopisitory.
Sayor June Good Stand Burney
Maven Repository a directory of parkaged
1
A maren sepository is THE file with pom. Tool.  DAR file with pom. Tool.  Dependencies in the  proven gealther for the dependencies in the  proven gealther for the dependencies in the
moven gealthe que of mourem seposition.
- New Work
(1) 600
(2) Central popository
(2) Central Repository  (2) Central Repository  (3) Remote in following order  Maven  Remote (1)  Remote (1)
Onor Chas
1 call Constant
t Local: maven local sepository is located in your local system.  [bcal system.
I mayon local sepository is local
of Local system.
En: c:\ usels \abc\. m2
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maven certal seros Hogy (2 and maximity
maven central repository is located on the web. it has been created by the against maren community itself. Web. 11/18001. maren. 059 1 maven 2/.
itset. (http://sepox.maren.org/maven2/)

of maren Remote Repository located on two web, most 7 libratics can be missing form central repository to add in project we have to define manually in the Poon. Your. Remote pepicitory well also the frival to < \* POM. Xml file contains information of Project and Configuration information for the maven to build the prosent such as dependendenals, tristd directory, source directory test source directory, plugin goals etc. · dependencies: Any 66 vary on which a sava project is dependent on. to sun or build is called dependeny
En: sellnjum, Pot, logui, testarb --sugatre plugin: To execute the fest cases and identify the tests when using test NG . elements of pom. rand (1) Packaging 7) dependencies 5) dependency scope project 8) plugin

< dependencies > < deponderry > < grouped > org. testing < 1 grouped> < velsion> 7.4.0 < Nelsion> < ccope7 test < 15cope> < 1 dependeny> / I defendencies > PoM. Xxn1 Provided Note: Posee the (contains defendancies. **Ephysons** Thenkal phroases used in moven to - grouped; Generally grouped refers to domain id. for begg brackies company name is used as grouped It identifies project unitally Taltifated: it is basically name of the Jas without -) yessim: the top is used to colate a version of the project. \* moven phases (Build life cycle): Octeon: doubes are askars and talgots which are colored dready. @ Compile: used to compile me source code & the (3) test the complied code and these tests do not ocquire to be padaged or deployed. (4) Package: Padcage is used to convert your Brosed ind jag or war efc ---(5) install; install he package into the local octository for use of another project.



```
project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-
4.0.0.xsd">
<modelVersion>4.0.0</modelVersion>
<groupId>com.atipune
 <artifactId>MavenTest</artifactId>
 <version>0.0.1-SNAPSHOT</version>
  <build>
               <plugins>
                  <plugin>
                  <groupId>org.apache.maven.plugins
                  <artifactId>maven-compiler-plugin</artifactId>
                  <version>2.3.2</version>
                  <configuration>
                   <source>1.8</source>
                   <target>1.8</target>
                  </configuration>
          </plugin>
  <plugin>
    <groupId>org.apache.maven.plugins
    <artifactId>maven-surefire-plugin</artifactId>
    <version>3.0.0-M5</version>
    <configuration>
     <suiteXmlFiles>
             <suiteXmlFile>testng.xml</suiteXmlFile>
     </suiteXmlFiles>
    </configuration>
   </plugin>
```

```
</plugins>
</build>
<dependencies>
      <!-- https://mvnrepository.com/artifact/org.testng/testng -->
            <dependency>
              <groupId>org.testng/groupId>
              <artifactId>testng</artifactId>
              <version>7.4.0</version>
              <scope>test</scope>
            </dependency>
            <!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
            <dependency>
              <groupId>org.seleniumhq.selenium
              <artifactId>selenium-java</artifactId>
              <version>3.141.59</version>
            </dependency>
            <!-- https://mvnrepository.com/artifact/com.microsoft.edge/msedge-selenium-tools-
            java -->
            <dependency>
              <groupId>com.microsoft.edge
              <artifactId>msedge-selenium-tools-java</artifactId>
              <version>3.141.0</version>
            </dependency>
```

```
<!-- https://mvnrepository.com/artifact/commons-io/commons-io -->
<dependency>
  <groupId>commons-io</groupId>
  <artifactId>commons-io</artifactId>
  <version>2.11.0</version>
</dependency>
<!-- https://mvnrepository.com/artifact/commons-logging/commons-logging -->
<dependency>
  <groupId>commons-logging
  <artifactId>commons-logging</artifactId>
  <version>1.2</version>
</dependency>
<!-- https://mvnrepository.com/artifact/com.aventstack/extentreports -->
<dependency>
  <groupId>com.aventstack
  <artifactId>extentreports</artifactId>
  <version>5.0.1</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.apache.poi/poi -->
<dependency>
  <groupId>org.apache.poi
  <artifactId>poi</artifactId>
  <version>3.17</version>
</dependency>
```

```
<dependency>
               <groupId>org.apache.poi
               <artifactId>poi-ooxml</artifactId>
               <version>3.17</version>
             </dependency>
             <!-- https://mvnrepository.com/artifact/org.apache.logging.log4j/log4j-core -->
             <dependency>
               <groupId>org.apache.logging.log4j/groupId>
               <artifactId>log4j-core</artifactId>
               <version>2.14.1</version>
             </dependency>
      <!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
      <dependency>
        <groupId>mysql
        <artifactId>mysql-connector-java</artifactId>
        <version>8.0.15</version>
      </dependency>
</dependencies>
</project>
```

<!-- https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml -->