Framework Concepts - Maven

- Maven is a build automation tool and its purpose is to <u>automatically download the required JAR files</u> with the versions provided in **pom.xml** file
- Java and Maven needs to be installed and configured
    - Download Binary Zip version of Maven from https://maven.apache.org/download.cgi
    - Extract it and copy into the C driver in your machine
    - Set the MAVEN_HOME and Path System variables
    - In Command Prompt > Type mvn -version and should see the Maven Version
- Create Maven Project (New > Other > Maven Project > quickstart > Provide Group Id (package name) and Artifact Id (project name)
- Reusable code will be written under src/main/java (Example: Login)
- Test Automation Scripts will be written under src/test/java
- Delete the default App.java files
- Create a Java Class under src/test/java and write Selenium WebDriver Automation code
- Search for Maven Selenium in google , get the dependency code for Selenium, paste it into pom.xml file and save
- Check the Maven Dependencies in the project and observe that the JAR files for Selenium got automatically downloaded
- Resolve the Selenium errors in the Java class and run it.