How to start/create Maven project in Eclipse

mvn archetype:generate -DgroupID=(project-packaging)

-DartifactID={project-name}

-DarchetypeArtifactID=maven-archetype-quickstart

-DinteractiveMode=false

mvn archetype:generate -DgroupID=Academy -DartifactID=Project -DarchetypeArtifactID=maven-archetype-quickstart -DinteractiveMode=false

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\* This is wrong it should be Id (case sensitive)

--> Need to use the entire line in cmd prompt

--> Maven will not get started . It will give an error message artifactId is missing. E.g ID should not be in caps

-DarchetypeArtifactId=E2EProject

\*\*\* DgroupID & DartifactID are the 2 most important components of Maven project

--> For java project we need to use DarchetypeArtifactID

BUILD SUCCESS

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The project gets created in C:\Users\rahul

-> In this we will get folder as E2EProject

Next Step

C:\Users\rahul>cd E2EProject

\*\*\*C:\Users\rahul\E2EProject>mvn eclipse:eclipse

Hit Enter

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BUILD SUCCESS

We have now succesfully created project and imported into Eclipse

--> Here skeleton is created

--> It created .classpath & .project files in E2EProject

Next Step

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-- Now we have developed a skeleton with Maven

-- Now we will go ahead and import the skeleton into Eclipse

-- The skeleton doesn't have anything right now , it has only structure how the framework looks from outer end

Go to Eclipse editor

Go to File--> Import -->

Here you can select

Existing Projects into Workspace

(or)

\*Existing Maven Projects

-- Click on Browse

-- E2EProject

--- Finish (It will Import Maven Project)

The Outer Structure of the Project:

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-- E2EProject

> src/test/java

> src/main/java

> JRE System Library

> Maven Dependencies

> Referenced Libararies

> src

> target

\*\*\*pom.xml (Heart of the Project)

-- It created test folder to write our test cases

-- It created main java folder to create all our Utilities,Page Object files and data

-- All the execution will be done from pom.xml file

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Now we need to get Jars installed in pom.xml

Need to get dependencies for Maven & TestNG

Go to google -- selenium maven dependencies

Take the dependency and add it in pom.xl -- In parent dependencies

After that again go to Google Search -- testng maven dependency

Copy the dependency

After adding the child dependencies in the pom.xml

We need to now create Page Object files