

## Creation of Springboot project -- HelloWorld

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we can create spring project using the following ways

1. create a springboot project using normal spring project creation approach

2. creating project from <https://spring.io> website Spring Initializer

3. using STS --> Spring Tool Suite

4. using Eclipse IDE + STS plugging

Pre-requisites:

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1. Eclipse IDE

<https://www.eclipse.org/downloads/>

2. Java 1.8 version or above

3. Maven -- configuration management/build tool

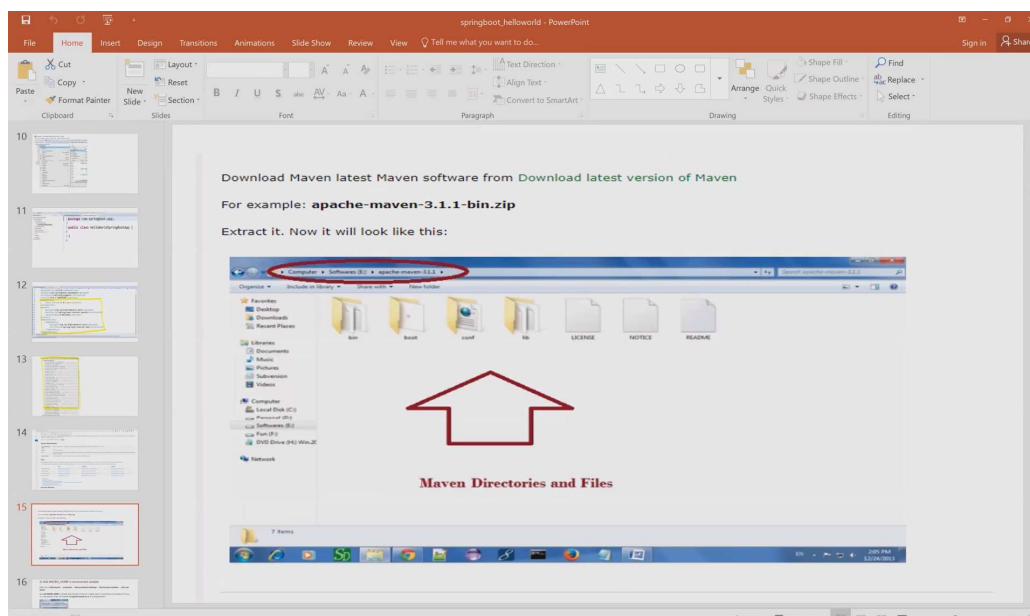
<https://maven.apache.org/>

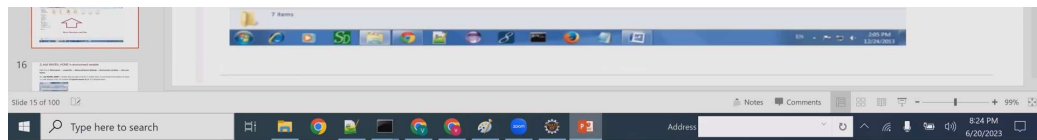
<https://maven.apache.org/download.cgi>

Maven setup

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- download and extract the maven folder and
- setup MAVEN\_HOME in the environmental variables





**2) Add MAVEN\_HOME in environment variable**

Right click on **MyComputer** -> **properties** -> **Advanced System Settings** -> **Environment variables** -> click new button

Now add **MAVEN\_HOME** in variable name and path of maven in variable value. It must be the home directory of maven i.e. outer directory of bin. For example: **E:\apache-maven-3.1.1**. It is displayed below:

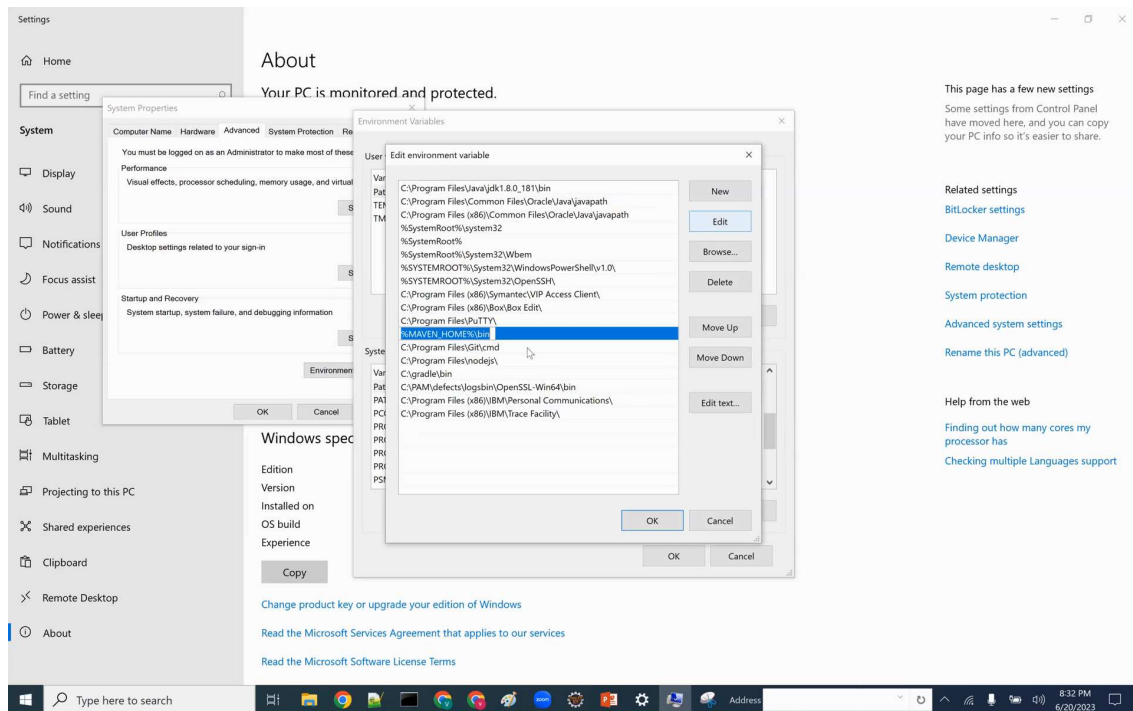
Now click on **OK** button.

- all maven command work only C/Maven directory only.
- but, to work maven command in any directory of the pc -- we need to create a enviromental variable

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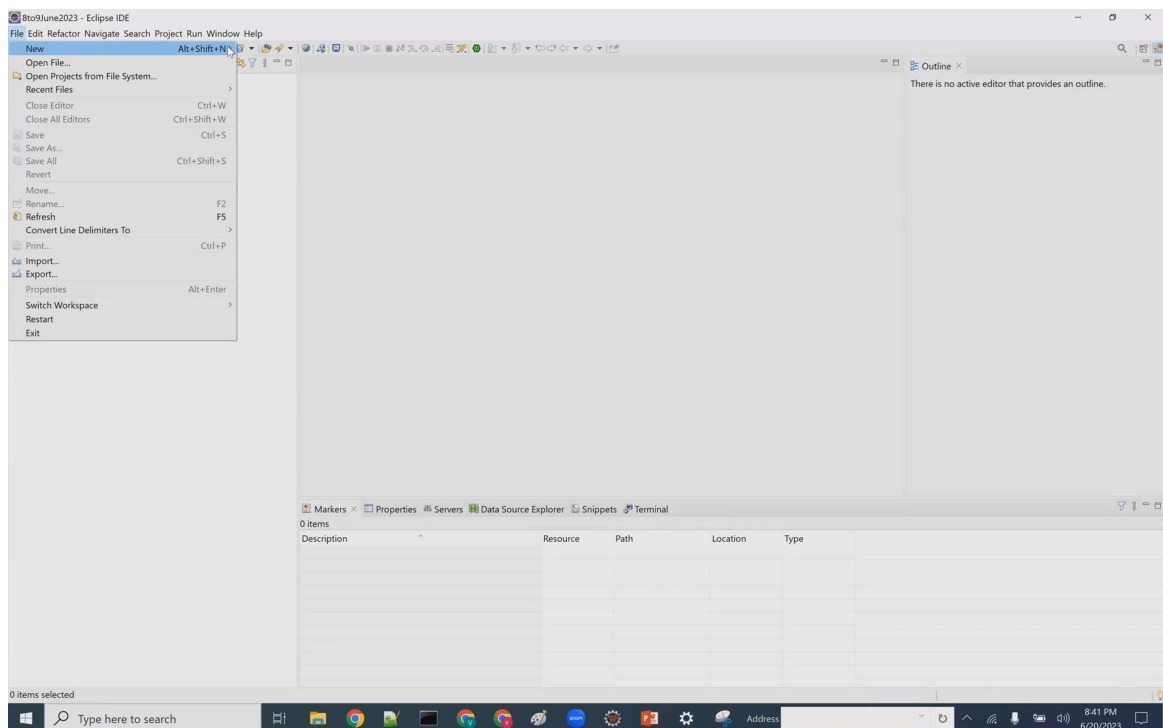
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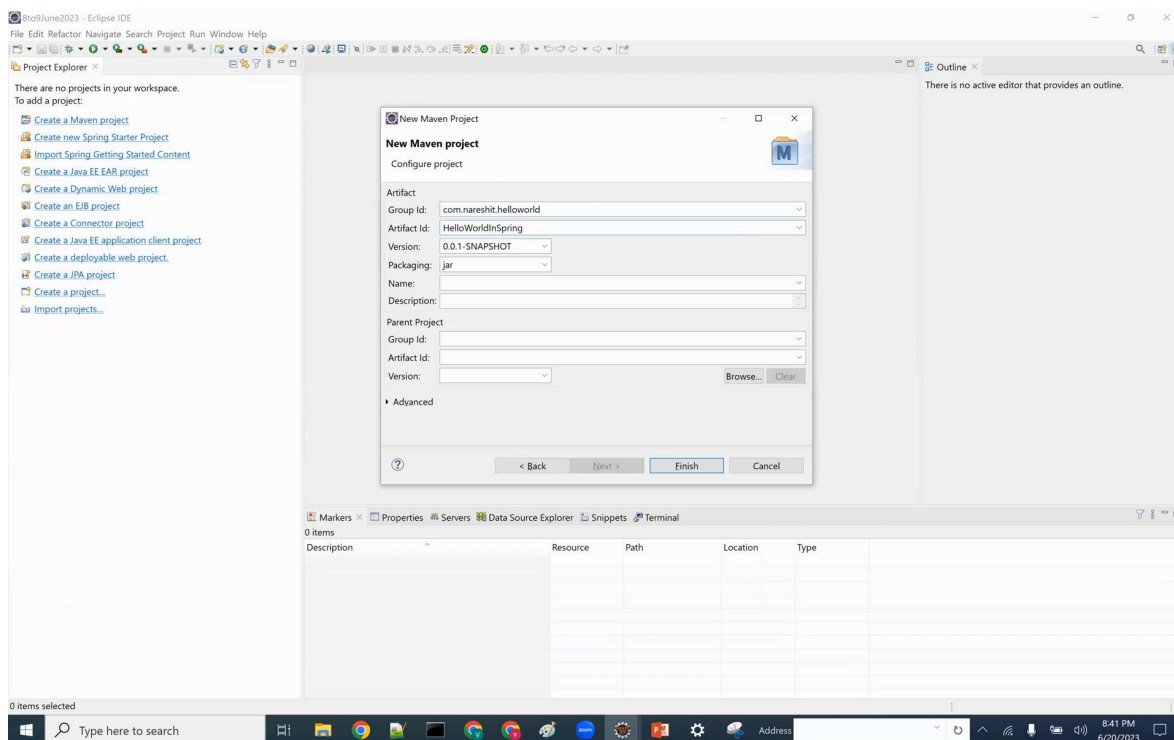
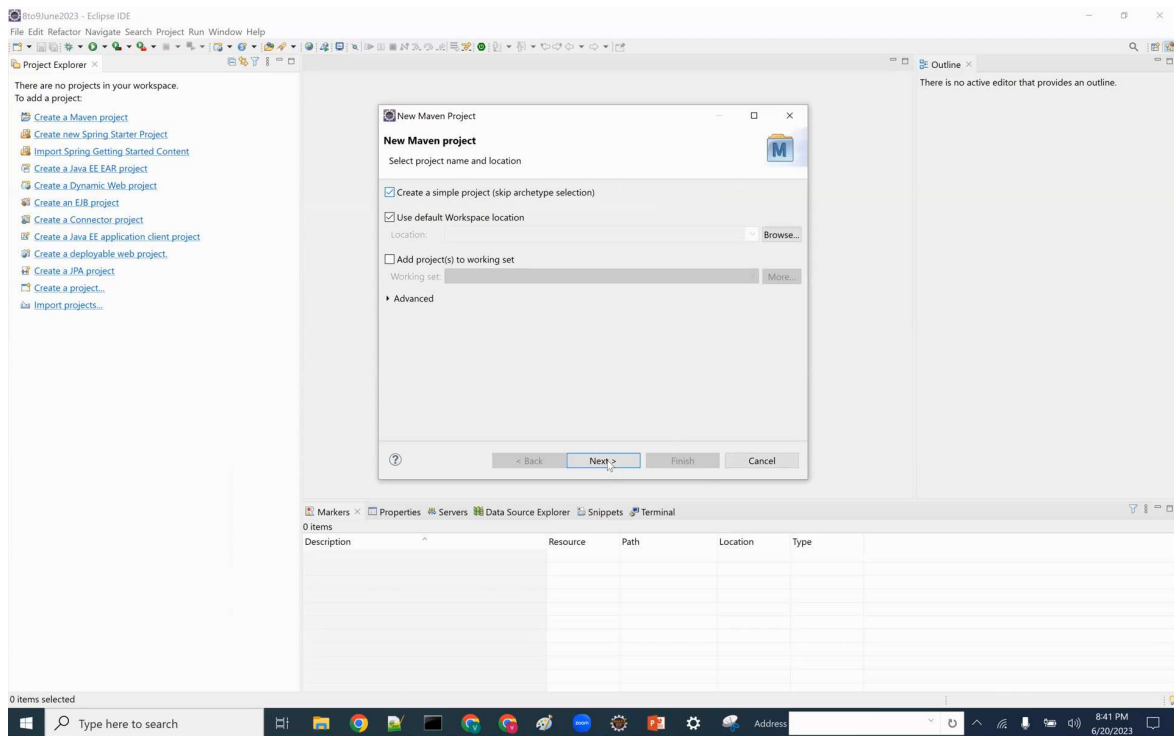


`mvn --version` run this command in the cmd pmt

creating the project using spring approach(using maven)

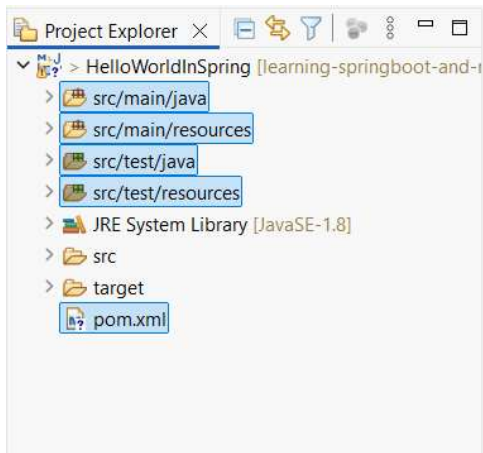
in spring approach only maven is required, in sts we don't require maven





group id	package name
artificat id	project name

some important folders of the project



- 1) Src/Main/Java -> Entire java code for my business logic , we need to write here.
- 2) src/main/resources -> Any configuration code like prop file , database connection
- 3) src/test/java -> Unit test cases like Junit etc..
- 4) src/test/resources -> Configuration code for Unit test cases
- 5) Maven Classpath ->  
Entries mentioned in pom.xml file -> it downloads all jar file for the frameworks and keep the jars in class path.
- 6) **pom.xml ==> We will write configuration to downloads the framework jars**

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session completed