

DAY - 1

Installing AEM:

Install java 11

```
C:\Windows\system32>java -v
Unrecognized option: -v
Error: Could not create the Java Virtual Machine.
Error: A fatal exception has occurred. Program will exit.

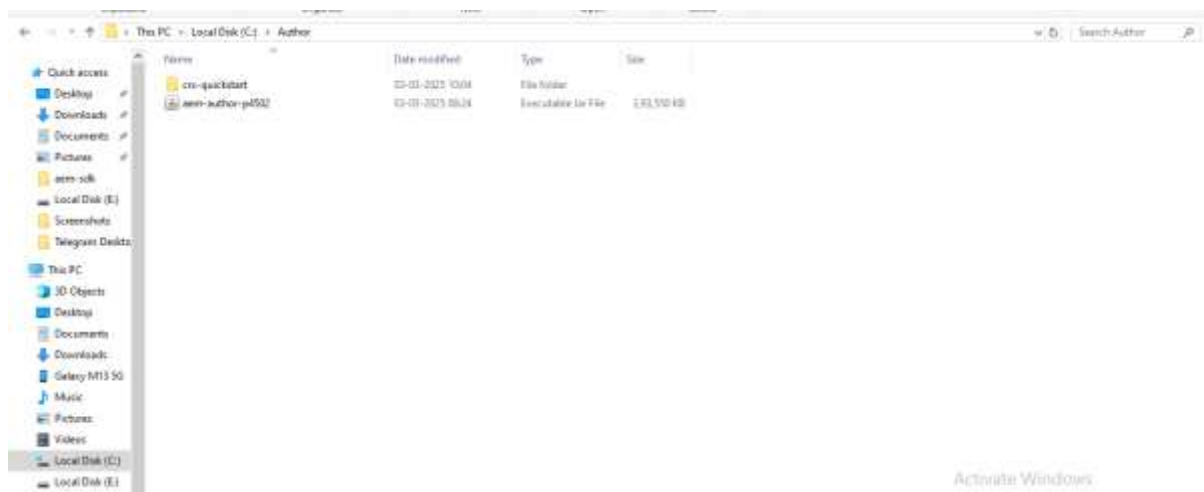
C:\Windows\system32>java -version
java version "11.0.25" 2024-10-15 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.25+9-LTS-256)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.25+9-LTS-256, mixed mode)

C:\Windows\system32>
```

Downloaded the aem-author-p502.jar file from the link

<https://drive.google.com/drive/folders/1UwKyzfioeOAoD8UcaL6BMbmKSWCgmNy7>

And created a file directory Author and copied the jar file there



Opened CMD as administrator and set the path to C:/Author and used the command

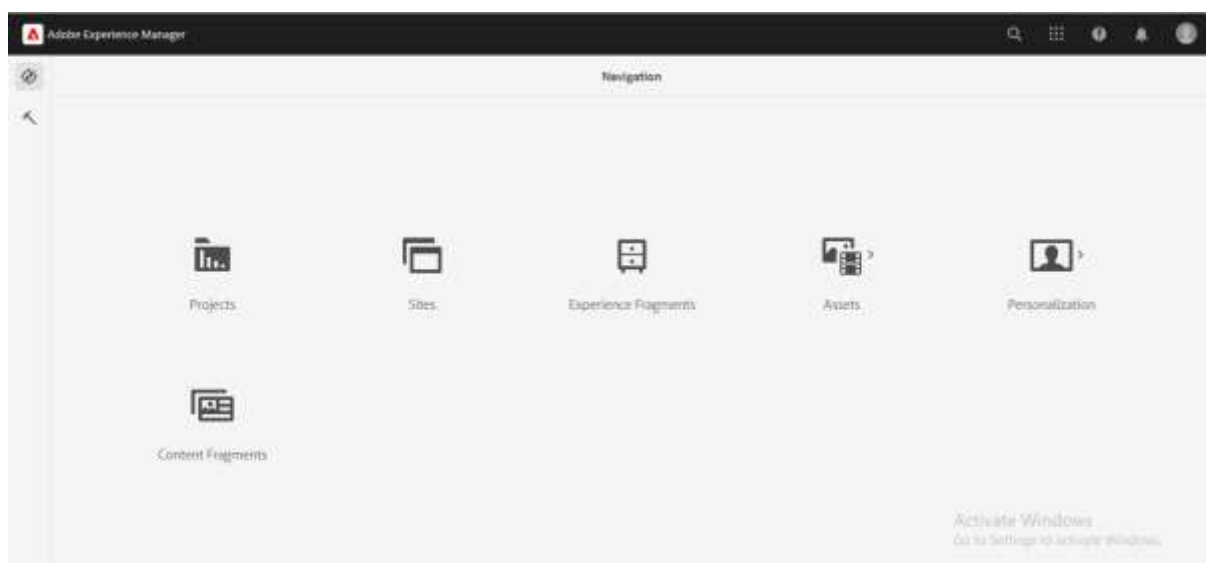
>> java -jar aem-author-p4502.jar

Run the jar file – cd to the jar folder location

>> java -jar aem-author-p4502.jar

```
C:\>cd Author
C:\Author>java -jar aem-author-p4502.jar
Loading quickstart properties: default
Loading quickstart properties: instance
Low-memory action set to fork
Using 64bit VM settings, min.heap=1024MB, min.permgen=256MB, default fork arguments=[-Xmx1024m, -XX:MaxPermSize=256m]
The JVM reports a heap size of 4050 MB, meets our expectation of 1024 MB +/- 20
Setting properties from filename 'C:/Author/aem-author-p4502.jar'
Option '-quickstart.server.port' set to '4502' from filename aem-author-p4502.jar
The admin password for this instance hasn't been defined yet.
Please enter the desired admin password:
Please re-enter password:
Verbose option not active, closing stdin and redirecting stdout and stderr
Redirecting stdout to C:\Author\crx-quickstart\logs\stdout.log
Redirecting stderr to C:\Author\crx-quickstart\logs\stderr.log
Press CTRL-C to shutdown the Quickstart server...
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.apache.sling.commons.threads.impl.ThreadLocalCleaner (launchpad:resources/inst
all/15/org.apache.sling.commons.threads-3.2.22.jar) to field java.lang.Thread.threadLocals
WARNING: Please consider reporting this to the maintainers of org.apache.sling.commons.threads.impl.ThreadLocalCleaner
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
```

Entered the password and the localhost started running and asked for username and password “**admin**”



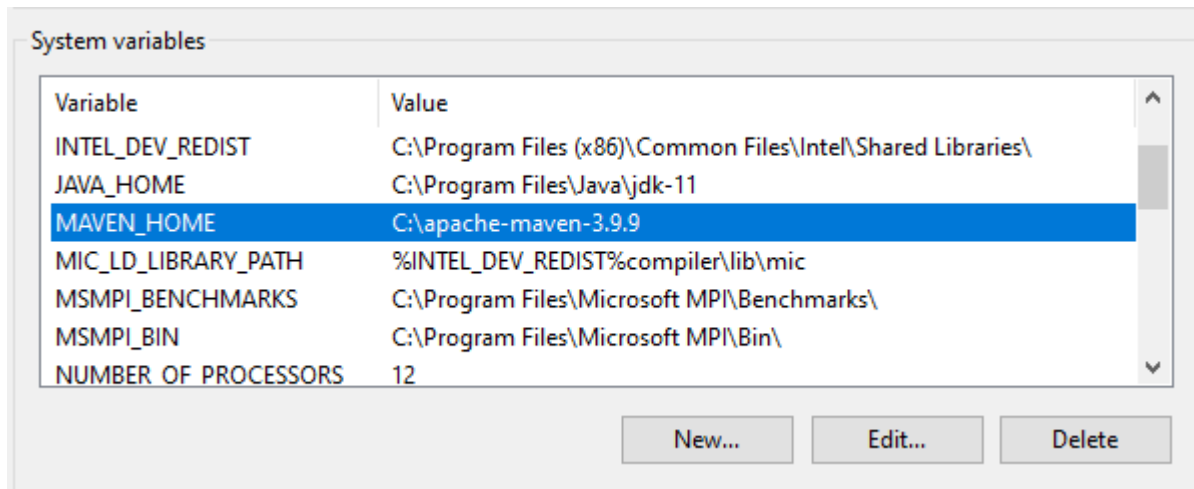
Successfully logged in to the Adobe Experience Manager (AEM)

Installing maven 3.9.9:

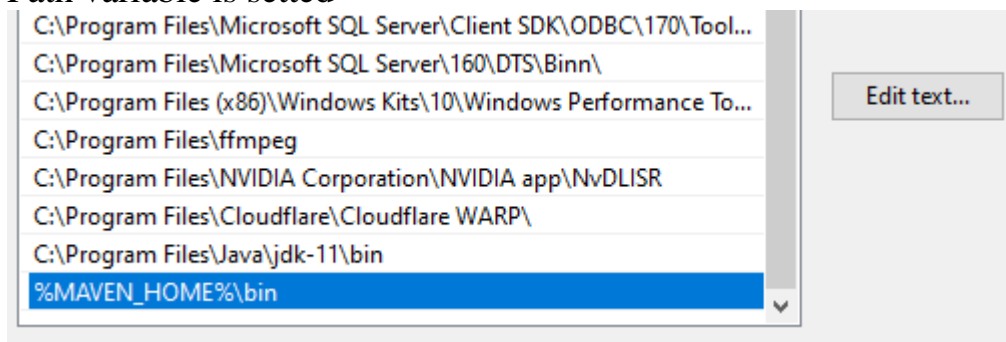
I have gone to the maven website and download maven here's the link

<https://dlcdn.apache.org/maven/maven-3/3.9.9/binaries/apache-maven-3.9.9-bin.zip>

Set environment variables



Path variable is setted



Check the installation using the below command

>> mvn -version

```
C:\Windows\system32>mvn -version
Apache Maven 3.9.9 (8e8579a9e76f7d015ee5ec7bfc9d260186937)
Maven home: C:\apache-maven-3.9.9
Java version: 11.0.25, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-11
Default locale: en_IN, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
C:\Windows\System32>
```

Create a new folder and open them in cmd and entered this command

>> mvn -B org.apache.maven.plugins:maven-archetype-plugin:3.2.1:generate -D archetypeGroupId=com.adobe.aem -D archetypeArtifactId=aem-project-archetype -D archetypeVersion=39 -D appTitle="myTraining" -D appId="myTraining" -D groupId="com.myTraining" -D aemVersion=6.5.5 -D includeExamples=n -D includeErrorHandler=y

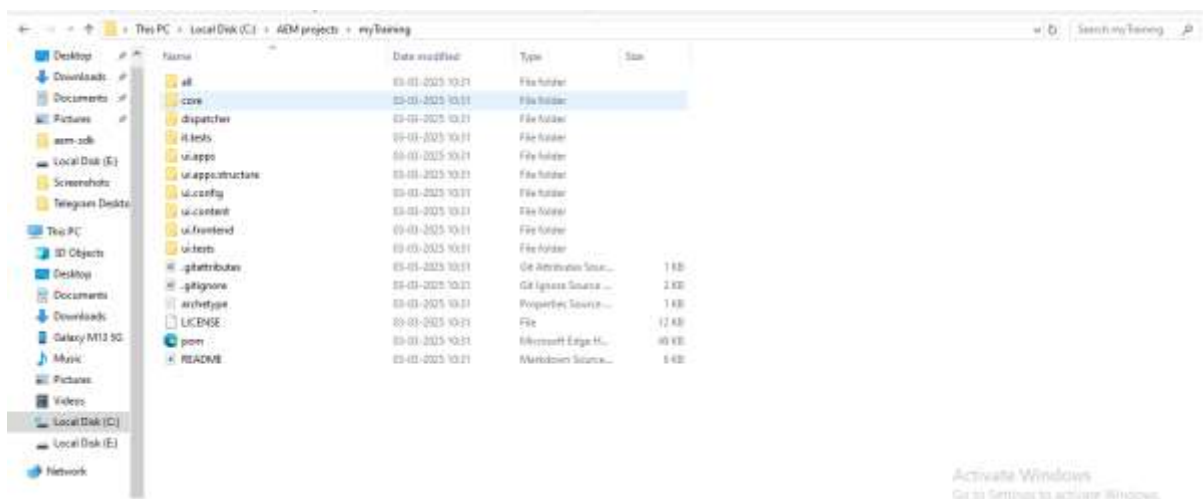
```

C:\>cd AEM projects

C:\AEM projects>mvn -B org.apache.maven.plugins:maven-archetype-plugin:3.2.1:generate -D archetypeGroupId=com.adobe.aem
-D archetypeArtifactId=aem-project-archetype -D archetypeVersion=39 -D appTitle="myTraining" -D appId="myTraining" -D gr
oupId="com.myTraining" -D aemVersion=6.5.5 -D includeExamples=n -D includeErrorHandler=y
[INFO] Scanning for projects...
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> archetype:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< archetype:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- archetype:3.2.1:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO] Archetype repository not defined. Using the one from [com.adobe.aem:aem-project-archetype:51] found in catalog re
note
/org/codehaus/groovy/groovy-all/2.4.16/groovy-all-2.4.16.jar) to method java.lang.Object.finalize()
WARNING: Please consider reporting this to the maintainers of org.codehaus.groovy.reflection.CachedClass
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
Creating content skeleton...
[INFO] Project created from Archetype in dir: C:\AEM projects\myTraining
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 10.614 s
[INFO] Finished at: 2025-03-03T10:31:15+05:30
[INFO] -----
C:\AEM projects>

```

new project is created in this hierarchy.



now AEM is installed successfully

now Open cmd and go the directory myTraining open cmd on that path and give the following command

>> mvn clean install -PautoInstallPackage -Dmaven.test.skip=true

// used to install all the dependencies

```

[INFO] --- install:2.5.2:install (default-install) @ myTraining.ui.tests ---
[INFO] No primary artifact to install, installing attached artifacts instead.
[INFO] Installing E:\AEM projects\myTraining\ui.tests\pom.xml to C:\Users\R.Balaji\m2\repository\com\myTraining\myTraining.ui.tests\1.0.0-SNAPSHOT\myTraining.ui.tests-1.0.0-SNAPSHOT.pom
[INFO] Installing E:\AEM projects\myTraining\ui.tests\target\myTraining.ui.tests-1.0.0-SNAPSHOT-ui-test-docker-context.tar.gz to C:\Users\R.Balaji\m2\repository\com\myTraining\myTraining.ui.tests\1.0.0-SNAPSHOT\myTraining.ui.tests-1.0.0-SNAPSHOT-ui-test-docker-context.tar.gz
[INFO] -----
[INFO] Reactor Summary for myTraining 1.0.0-SNAPSHOT:
[INFO]
[INFO] myTraining ..... SUCCESS [ 0.322 s]
[INFO] myTraining - Core ..... SUCCESS [ 2.427 s]
[INFO] myTraining - UI Frontend ..... SUCCESS [ 7.622 s]
[INFO] myTraining - Repository Structure Package ..... SUCCESS [ 0.772 s]
[INFO] myTraining - UI apps ..... SUCCESS [ 3.825 s]
[INFO] myTraining - UI content ..... SUCCESS [ 2.850 s]
[INFO] myTraining - UI config ..... SUCCESS [ 1.005 s]
[INFO] myTraining - All ..... SUCCESS [ 0.519 s]
[INFO] myTraining - Integration Tests ..... SUCCESS [ 33.161 s]
[INFO] myTraining - Dispatcher ..... SUCCESS [ 0.100 s]
[INFO] myTraining - UI Tests ..... SUCCESS [ 0.072 s]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 54.041 s
[INFO] Finished at: 2025-03-04T09:10:39+05:30
[INFO] -----
E:\AEM projects\myTraining>

```

Activate Windows