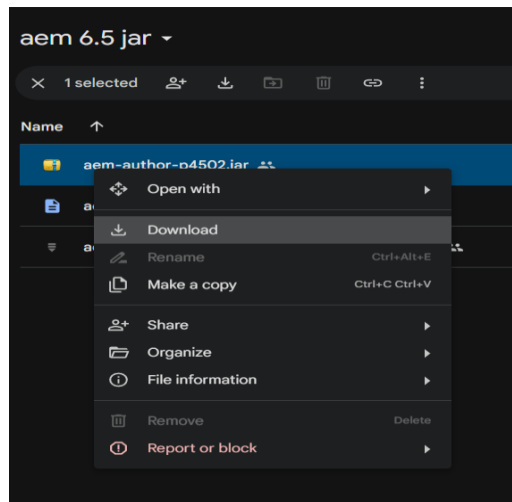


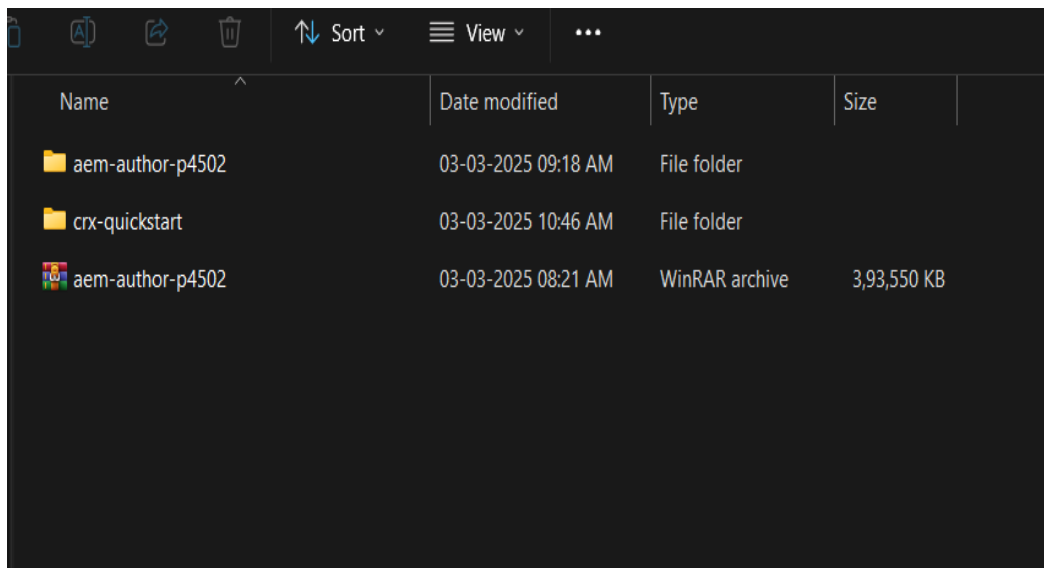
# AEM Task – 1

## Step 1: Set Up AEM Locally

1. Download AEM Jar file from the drive link



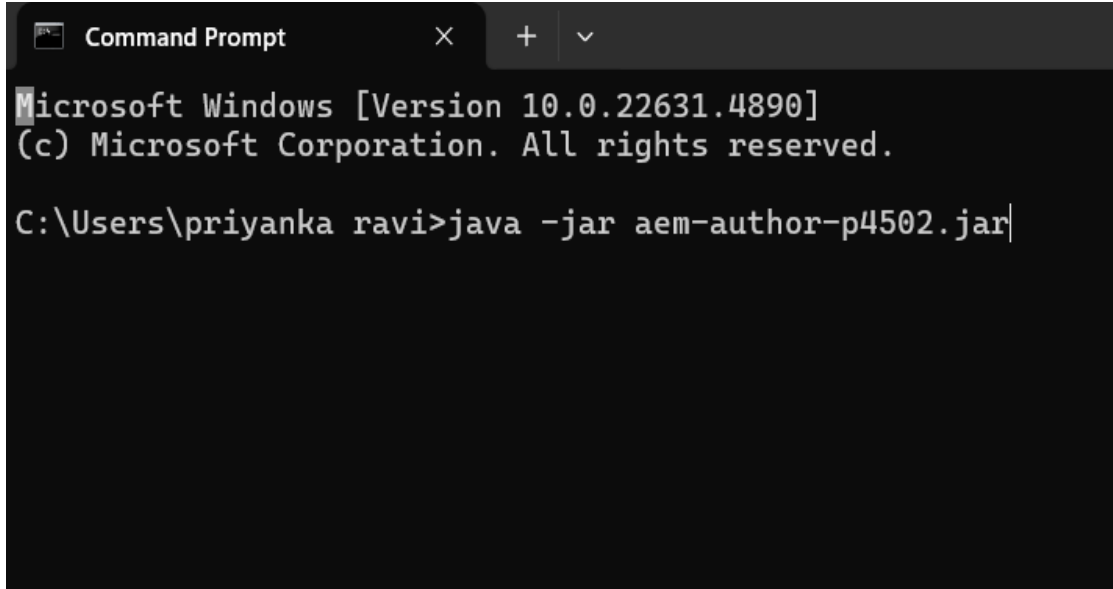
2. Extract the file into a folder



C  
md : mvn -B archetype:generate -D archetypeGroupId=com.

## Step 2: Start AEM Author Instance

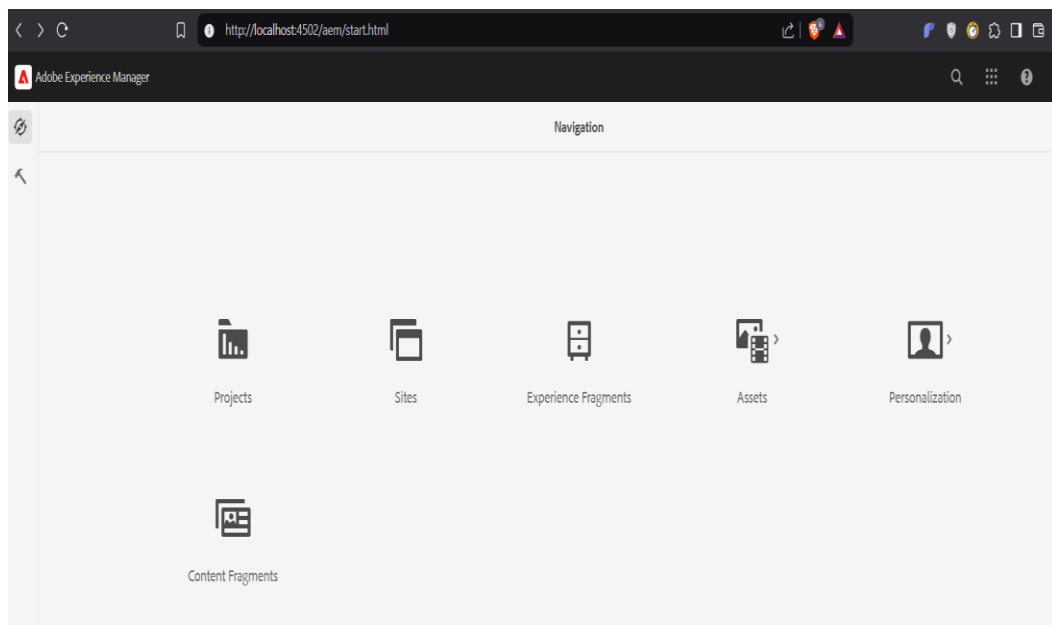
1. Start the AEM setup in command prompt, by run the cmd as shown



```
Microsoft Windows [Version 10.0.22631.4890]
(c) Microsoft Corporation. All rights reserved.

C:\Users\priyanka ravi>java -jar aem-author-p4502.jar
```

2. Go to browser and search <http://localhost:4502> , to get AEM login screen



## Step 3: Create AEM Project Structure

### 1. Download Maven

What's new in Maven 4?

DOCUMENTATION

Maven Plugins

Maven Extensions

Maven Tools

Index (category)

User Centre

Plugin Developer Centre

Maven Repository Centre

Maven Developer Centre

Books and Resources

Security

COMMUNITY

Community Overview

Project Roles

How to Contribute

Getting Help

Issue Management

**Disk** Approximately 10MB is required for the Maven installation itself. In addition to that, disk space will be used for your local Maven repository. The size of the repository will vary depending on usage but expect at least 500MB.

**Operating System** No minimum requirement. Start up scripts are included as shell scripts (tested on many Unix flavors) and Windows batch files.

### Files

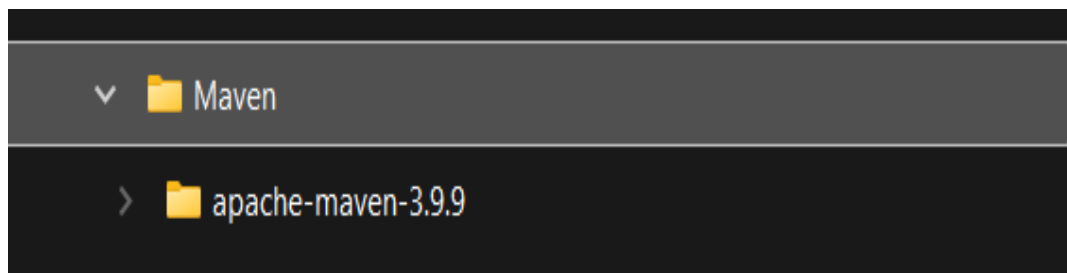
Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you want to build Maven yourself.

In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the public [KEYS](#) used by the Apache Software Foundation.

	Link	Checksums	Signature
Binary tar.gz archive	<a href="#">apache-maven-3.9.9-bin.tar.gz</a>	<a href="#">apache-maven-3.9.9-bin.tar.gz.sha512</a>	<a href="#">apache-maven-3.9.9-bin.tar.gz.asc</a>
Binary zip archive	<a href="#">apache-maven-3.9.9-bin.zip</a>	<a href="#">apache-maven-3.9.9-bin.zip.sha512</a>	<a href="#">apache-maven-3.9.9-bin.zip.asc</a>
Source tar.gz archive	<a href="#">apache-maven-3.9.9-src.tar.gz</a>	<a href="#">apache-maven-3.9.9-src.tar.gz.sha512</a>	<a href="#">apache-maven-3.9.9-src.tar.gz.asc</a>
Source zip archive	<a href="#">apache-maven-3.9.9-src.zip</a>	<a href="#">apache-maven-3.9.9-src.zip.sha512</a>	<a href="#">apache-maven-3.9.9-src.zip.asc</a>

- 3.9.9 Release Notes and Release Reference Documentation
- latest source code from source repository

### 2. Extract the Maven file into Folder



### 3. Generate AEM Project Using Maven by running the command in cmd by giving run as administrator

```
C:\Windows\System32>cd C:\Users\priyanka_ravi\training\Maven\apache-maven-3.9.9

C:\Users\priyanka_ravi\training\Maven\apache-maven-3.9.9>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

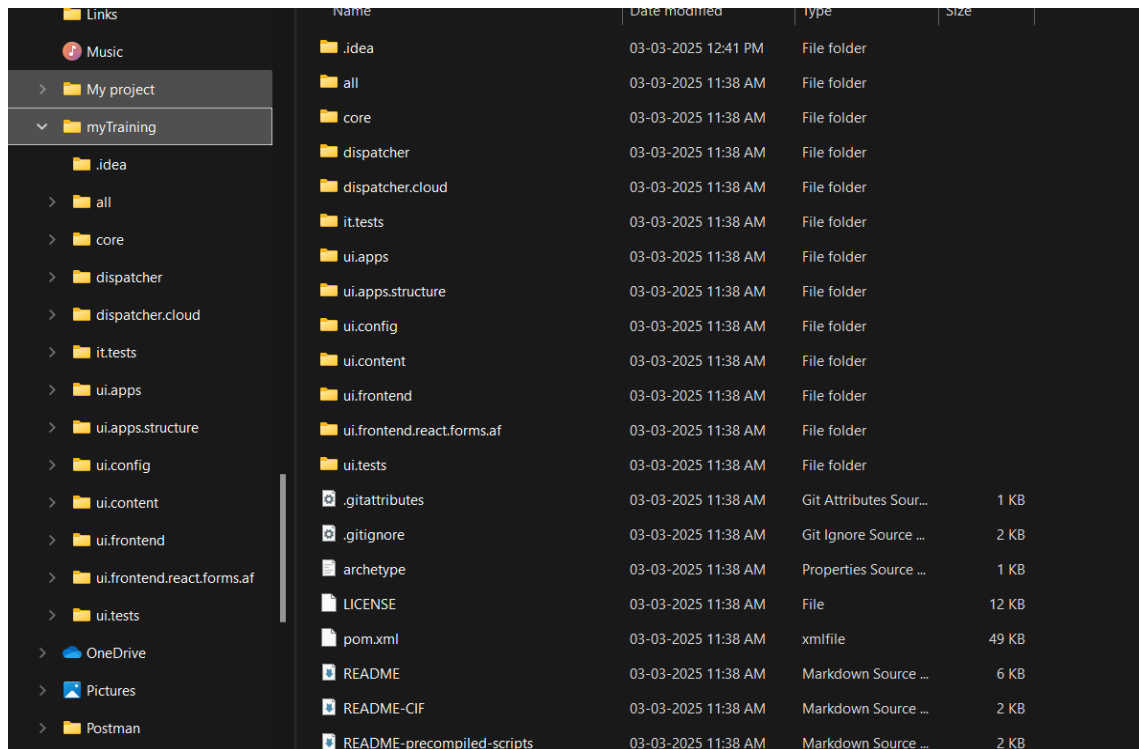
[INFO] Scanning for projects...
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> archetype:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< archetype:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO]
[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 remote
[INFO] -----
[INFO] Using following parameters for creating project from Archetype: aem-project-archetype:39
```

m

vn -B archetype:generate -D archetypeGroupId=com.adobe.aem -D archet

## Step 4: Open the AEM Project

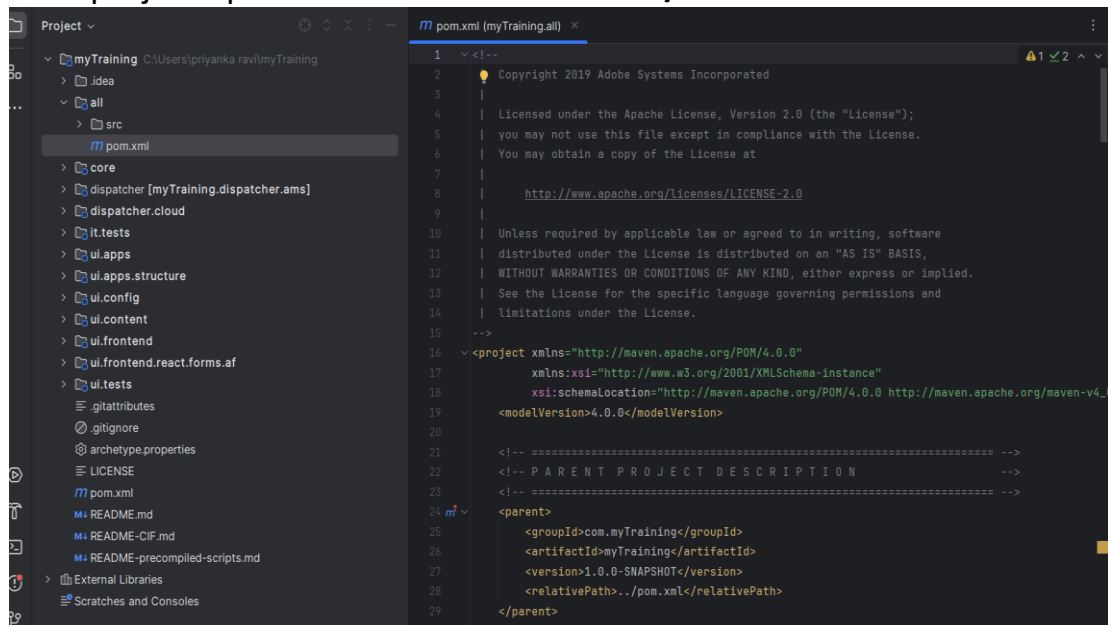
### 1. Folder structure of the generated AEM project in File Explorer.



The screenshot shows the File Explorer interface with the 'myTraining' folder selected in the left sidebar. The main pane displays a list of files and folders with columns for Name, Date modified, Type, and Size.

Name	Date modified	Type	Size
.idea	03-03-2025 12:41 PM	File folder	
all	03-03-2025 11:38 AM	File folder	
core	03-03-2025 11:38 AM	File folder	
dispatcher	03-03-2025 11:38 AM	File folder	
dispatcher.cloud	03-03-2025 11:38 AM	File folder	
it.tests	03-03-2025 11:38 AM	File folder	
ui.apps	03-03-2025 11:38 AM	File folder	
ui.apps.structure	03-03-2025 11:38 AM	File folder	
ui.config	03-03-2025 11:38 AM	File folder	
ui.content	03-03-2025 11:38 AM	File folder	
ui.frontend	03-03-2025 11:38 AM	File folder	
ui.frontend.react.forms.af	03-03-2025 11:38 AM	File folder	
ui.tests	03-03-2025 11:38 AM	File folder	
.gitattributes	03-03-2025 11:38 AM	Git Attributes Sour...	1 KB
.gitignore	03-03-2025 11:38 AM	Git Ignore Source ...	2 KB
archetype	03-03-2025 11:38 AM	Properties Source ...	1 KB
LICENSE	03-03-2025 11:38 AM	File	12 KB
pom.xml	03-03-2025 11:38 AM	xmlfile	49 KB
README	03-03-2025 11:38 AM	Markdown Source ...	6 KB
README-CIF	03-03-2025 11:38 AM	Markdown Source ...	2 KB
README-precompiled-scripts	03-03-2025 11:38 AM	Markdown Source ...	2 KB

### 2. AEM project opened in Visual Studio Code / IntelliJ IDEA.



## Step 5: Build and Deploy the Project

1. The project is built successfully.

```
creating content skeleton...
[INFO] Project created from Archetype in dir: C:\Users\priyanka ravi\training\Maven\apache-maven-3.9.9\myTraining
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.934 s
[INFO] Finished at: 2025-03-03T11:40:31+05:30
[INFO] -----
C:\Users\priyanka ravi\training\Maven\apache-maven-3.9.9>
```

2. Verify the file in the <http://localhost:4502/sites.html/content>