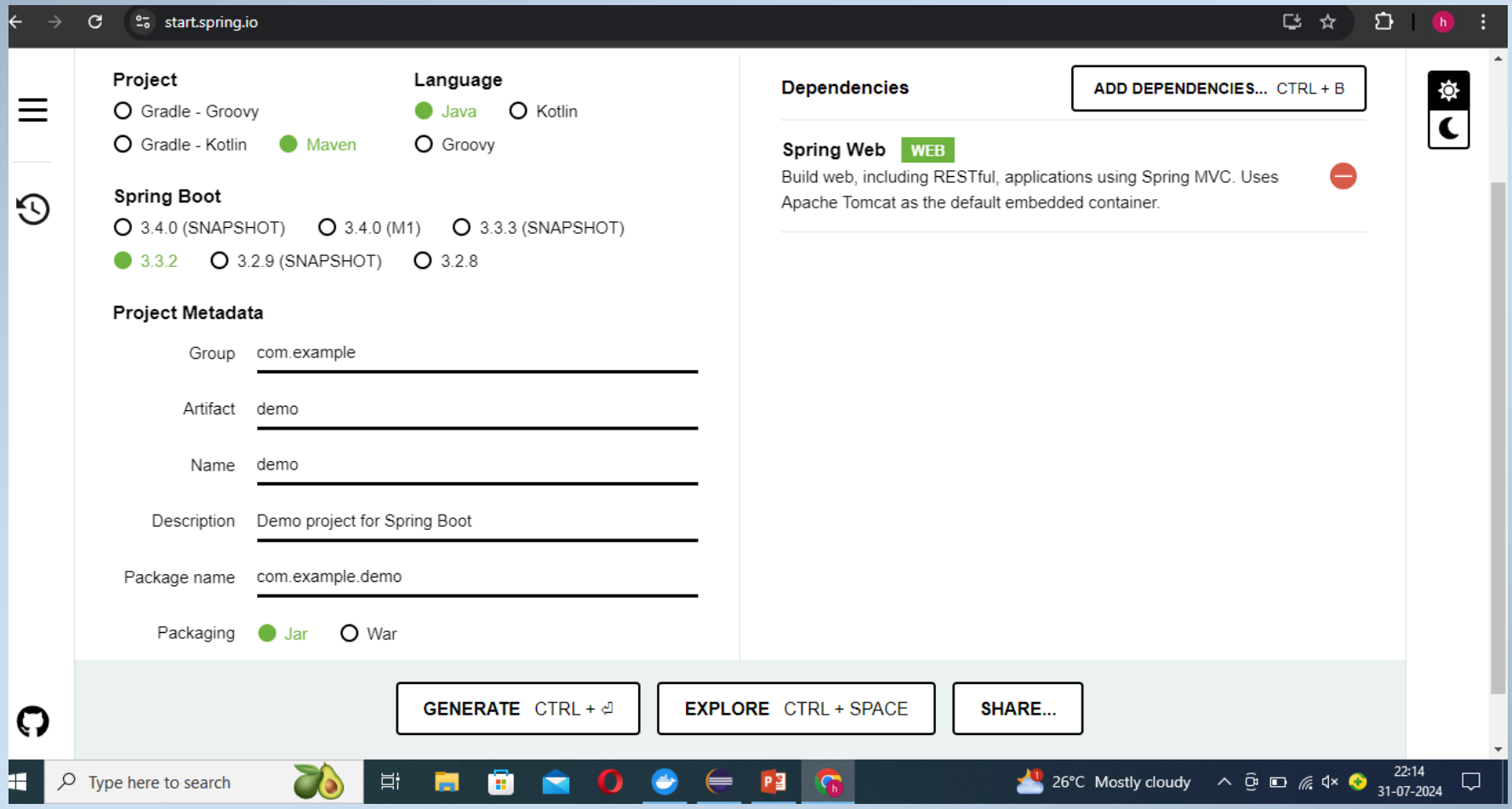
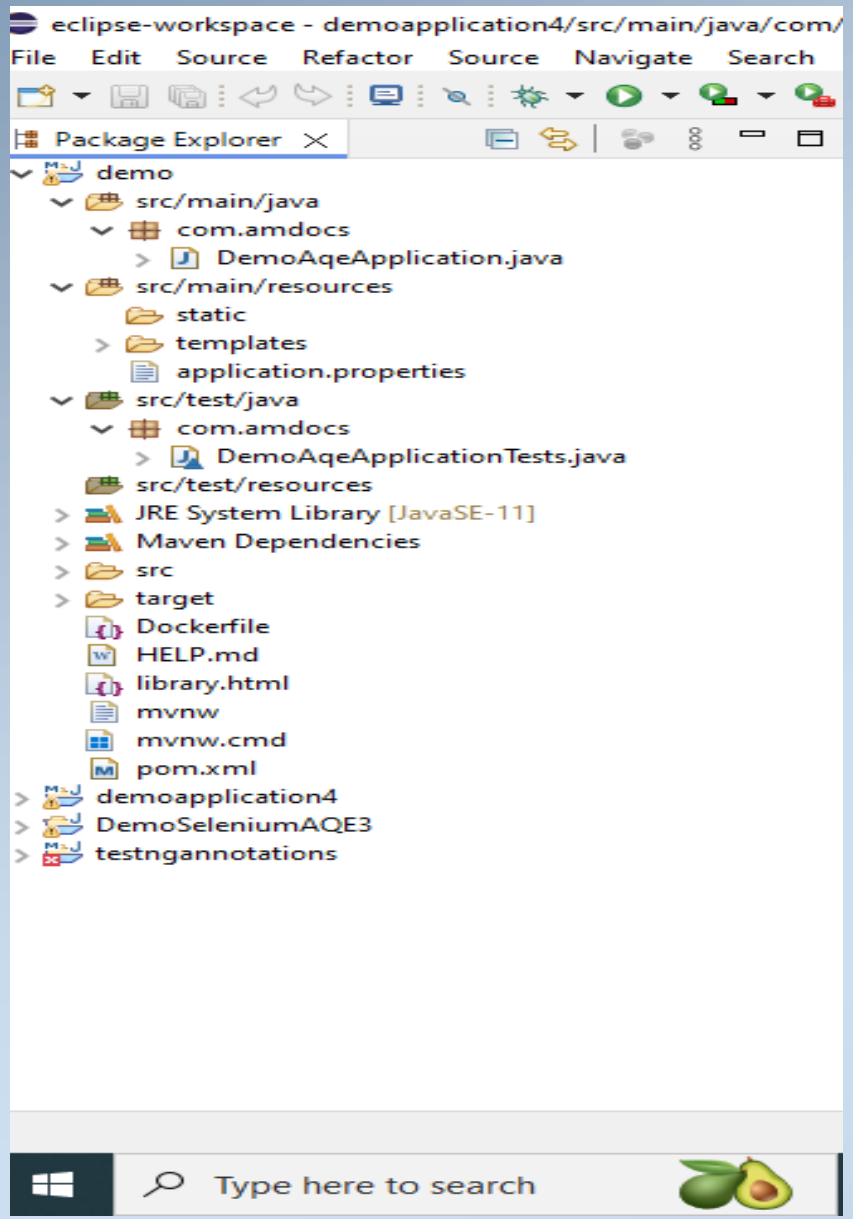
AQE Project

Hemanjali P

Spring initializer




eclipse-workspace - demoapplication4/src/main/java/com/
File Edit Source Refactor Source Navigate Search
Package Explorer
demo
src/main/java
com.amdocs
DemoAqeApplication.java
src/main/resources
static
templates
application.properties
src/test/java
com.amdocs
DemoAqeApplicationTests.java
src/test/resources
JRE System Library [JavaSE-11]
Maven Dependencies
src
target
Dockerfile
HELP.md
library.html
mvnw
mvnw.cmd
pom.xml
demoapplication4
DemoSeleniumAQE3
testngannotations
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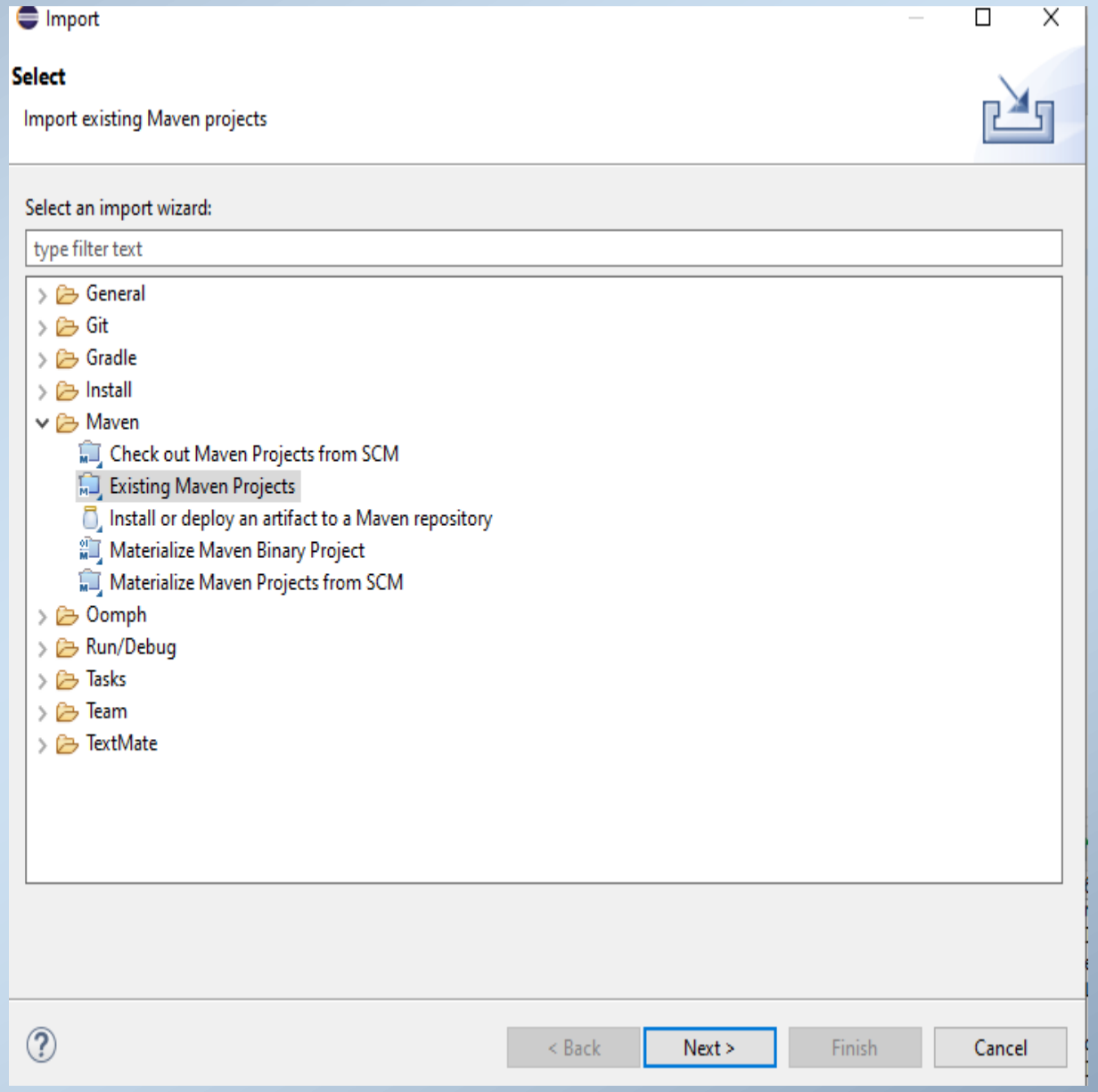
Import
Select
Import existing Maven projects
Select an import wizard:
type filter text
General
Git
Gradle
Install
Maven
Check out Maven Projects from SCM
Existing Maven Projects
Install or deploy an artifact to a Maven repository
Materialize Maven Binary Project
Materialize Maven Projects from SCM
Oomph
Run/Debug
Tasks
Team
TextMate
< Back
Next >
Finish
Cancel

DemoAqeApplication.java | application.properties | Dockerfile | demoKeyboard.java

```java
package com.amdocs;

import org.springframework.boot.SpringApplication;

@SpringBootApplication
@Controller
public class DemoAqeApplication {

    @GetMapping("/")
    public String show(Model model) {
        List<String> quotes = Arrays.asList(
            "So many books, so little time. - Frank Zappa",
            "A room without books is like a body without a soul. - Marcus Tullius Cicero",
            "The person, be it gentleman or lady, who has not pleasure in a good novel, must be intolerably stupid. - Jane Austen"
        );
        model.addAttribute("quotes", quotes);
        return "welcome";
    }

    public static void main(String[] args) {
        SpringApplication.run(DemoAqeApplication.class, args);
    }
}
```

```
  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
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 :: Spring Boot ::                (v2.7.13)

2024-07-31 23:20:27.474  INFO 5428 --- [           main] com.amdocs.DemoAqeApplication            : Starting DemoAqeApplica
2024-07-31 23:20:27.477  INFO 5428 --- [           main] com.amdocs.DemoAqeApplication            : No active profile set,
2024-07-31 23:20:28.813  INFO 5428 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with
2024-07-31 23:20:28.830  INFO 5428 --- [           main] o.apache.catalina.core.StandardService   : Starting service [Tomca
2024-07-31 23:20:28.830  INFO 5428 --- [           main] org.apache.catalina.core.StandardEngine  : Starting Servlet engine
```

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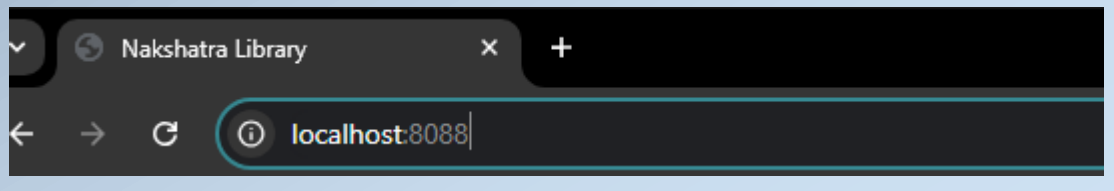
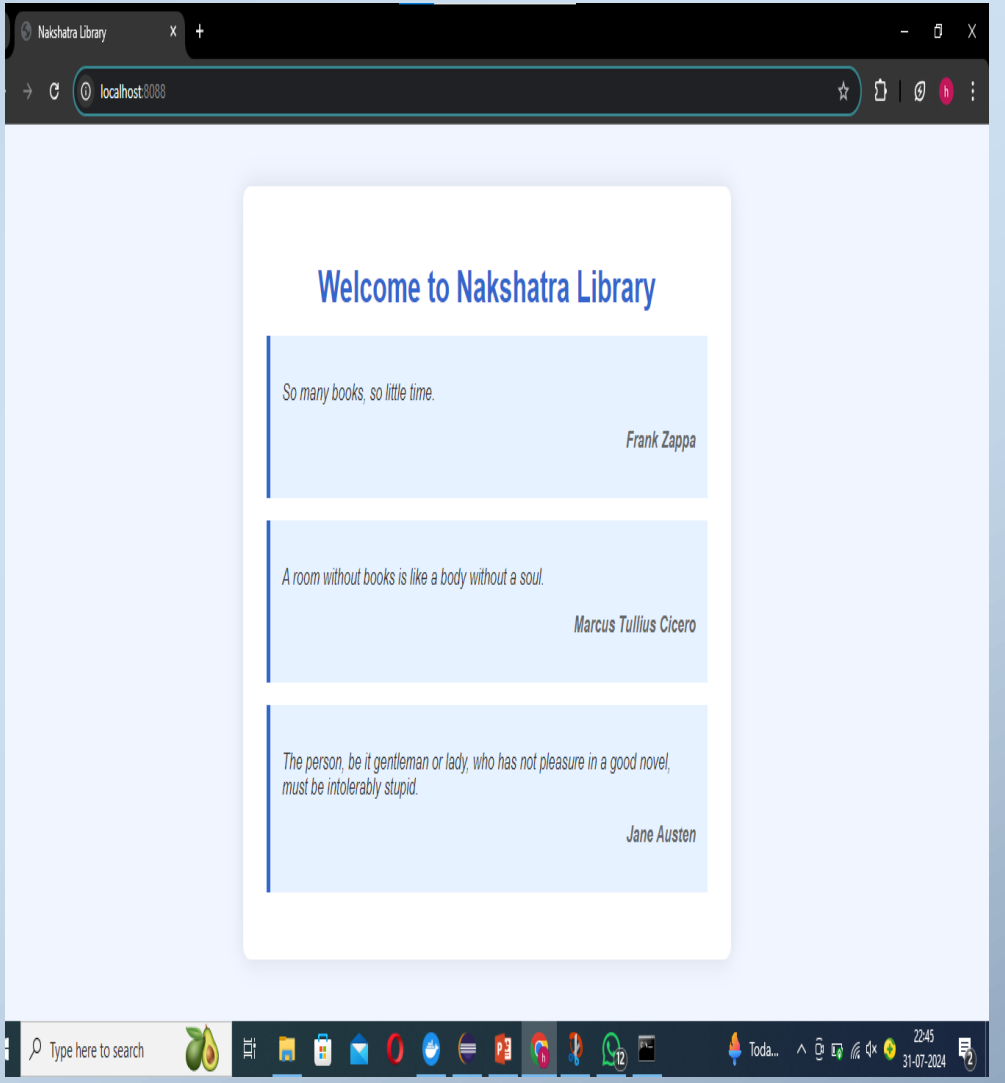
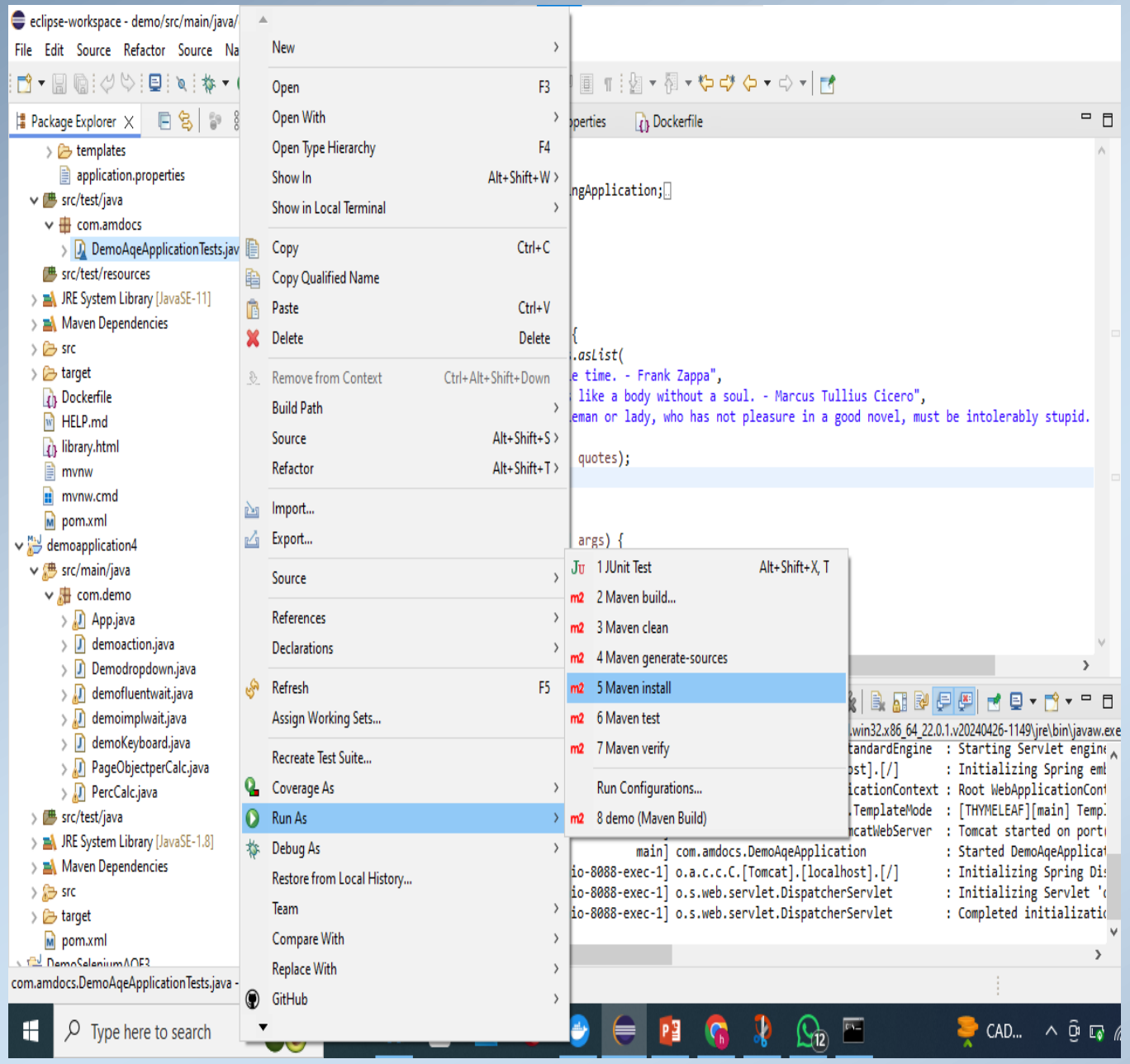
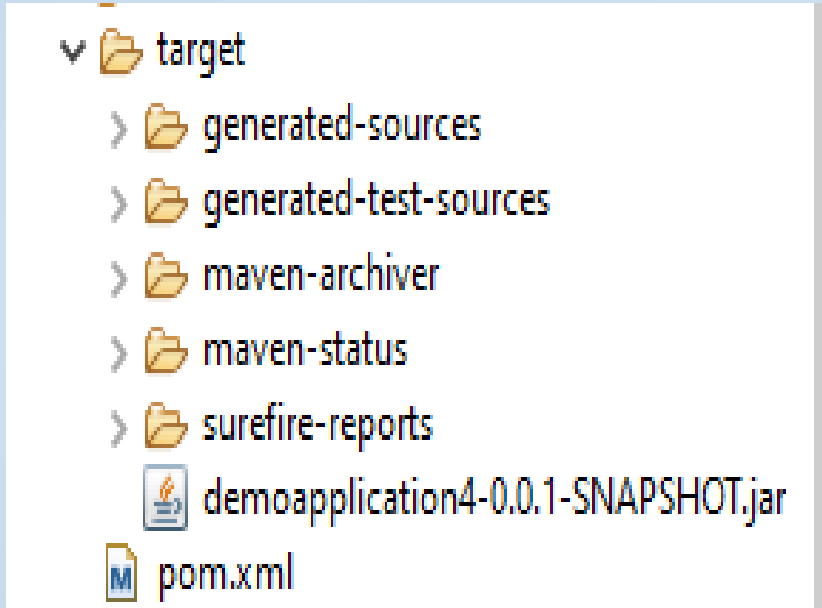
DemoAqeApplication.java | application.properties

```
# Server configuration
server.port=8088

# Thymeleaf configuration
spring.thymeleaf.prefix=classpath:/templates/
spring.thymeleaf.suffix=.html
spring.thymeleaf.mode=HTML5
spring.thymeleaf.encoding=UTF-8
spring.thymeleaf.cache=false

# Application name
spring.application.name=demo

# Additional configurations (if needed)
# logging.level.org.springframework=INFO
# logging.level.com.amdocs=DEBUG
```





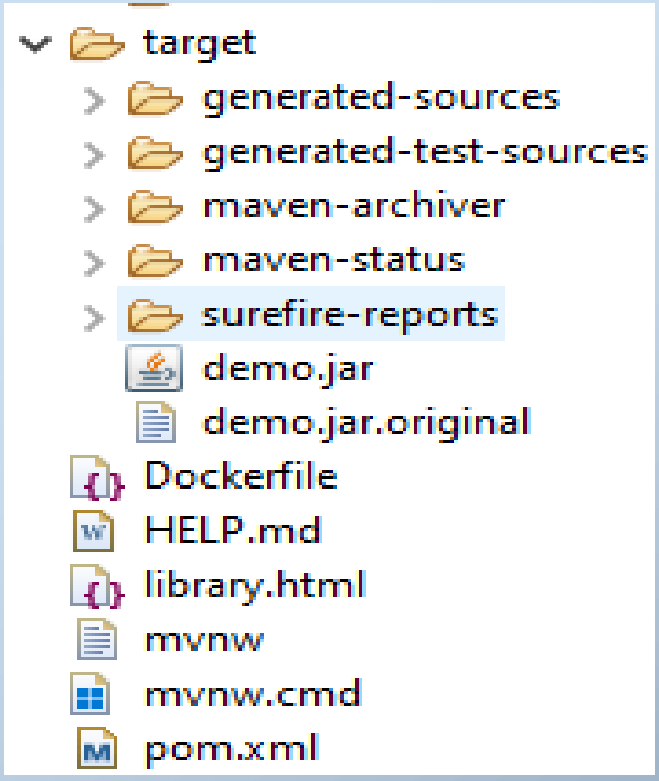

eclipse-workspace - demo/src/main/java/
File Edit Source Refactor Source Na
Package Explorer
templates
application.properties
src/test/java
com.amdocs
DemoAqeApplicationTests.jav
src/test/resources
JRE System Library [JavaSE-11]
Maven Dependencies
src
target
Dockerfile
HELP.md
library.html
mvnw
mvnw.cmd
pom.xml
demoapplication4
src/main/java
com.demo
App.java
demoaction.java
Demodropdown.java
demofluentwait.java
demoimplwait.java
demoKeyboard.java
PageObjectperCalc.java
PercCalc.java
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
pom.xml
com.amdocs.DemoAqeApplicationTests.java -
Type here to search
New
Open F3
Open With
Open Type Hierarchy F4
Show In Alt+Shift+W
Show in Local Terminal
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Source Alt+Shift+S
Refactor Alt+Shift+T
Import...
Export...
Source
References
Declarations
Refresh F5
Assign Working Sets...
Recreate Test Suite...
Coverage As
Run As
Debug As
Restore from Local History...
Team
Compare With
Replace With
GitHub
1 JUnit Test Alt+Shift+X, T
2 Maven build...
3 Maven clean
4 Maven generate-sources
5 Maven install
6 Maven test
7 Maven verify
Run Configurations...
8 demo (Maven Build)
Dockerfile
ngApplication;
.asList(
e time. - Frank Zappa",
like a body without a soul. - Marcus Tullius Cicero",
eman or lady, who has not pleasure in a good novel, must be intolerably stupid.
quotes);
args) {
win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe
tandardEngine : Starting Servlet engine
ost].[/] : Initializing Spring emb
icationContext : Root WebApplicationCont
.TemplateMode : [THYMELEAF][main] Temp
ncatWebServer : Tomcat started on port
main] com.amdocs.DemoAqeApplication : Started DemoAqeApplicat
io-8088-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring Di
io-8088-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet '
io-8088-exec-1] o.s.web.servlet.DispatcherServlet : Completed initializati
CAD...


target
generated-sources
generated-test-sources
maven-archiver
maven-status
surefire-reports
demoapplication4-0.0.1-SNAPSHOT.jar
pom.xml

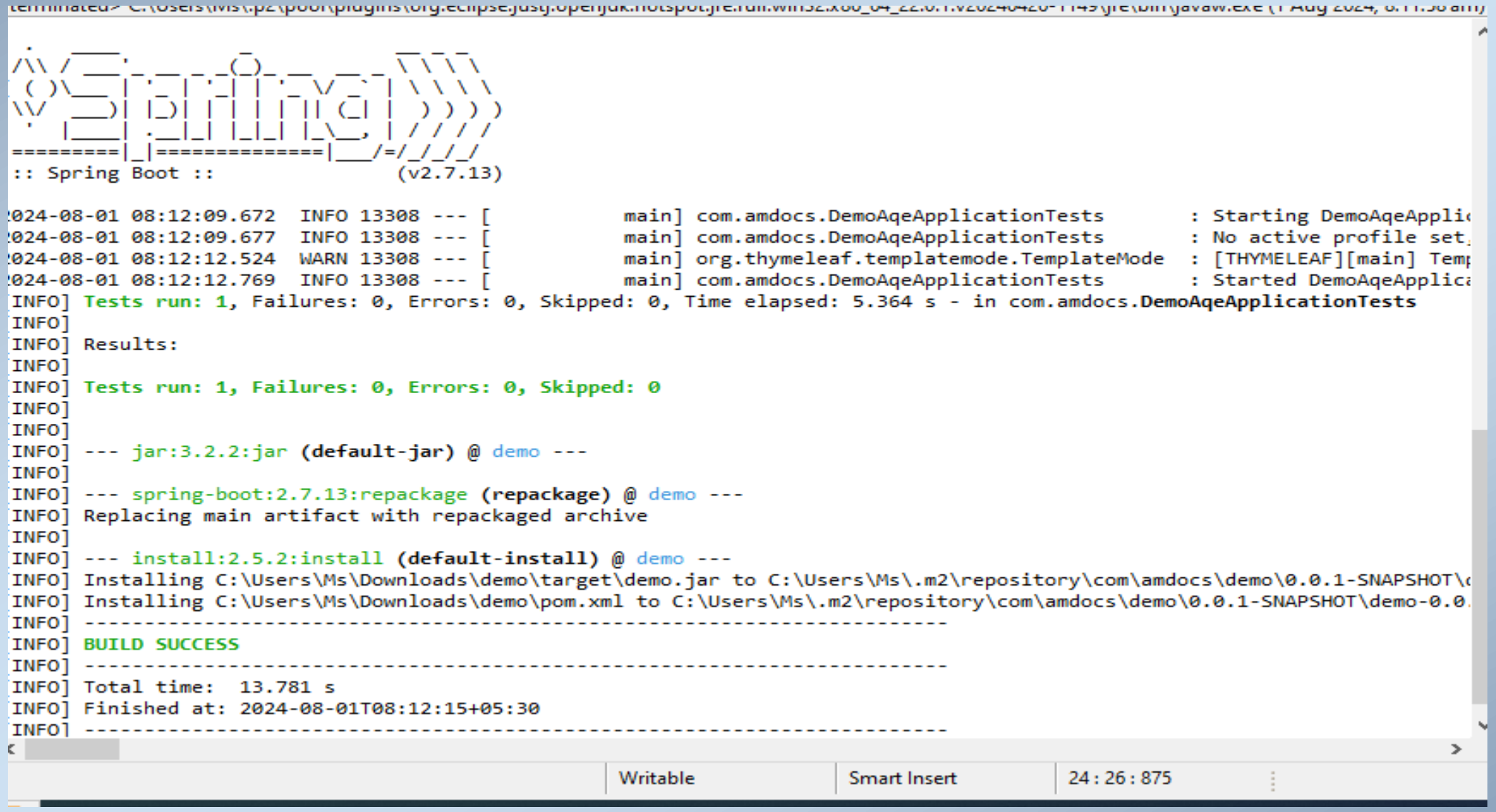
Creating a docker file

DemoAqeApplication.java | application.properties | Dockerfile

```
1  # Use an official Java runtime as a parent image
2  FROM openjdk:17
3
4  # Set the working directory in the container
5  EXPOSE 8088
6
7  # Copy the packaged jar file into the container
8  ADD target/demo.jar demo.jar
9
10 # Run the jar file
11 ENTRYPOINT ["java", "-jar", "demo.jar"]
```



Docker build



C:\Windows\System32\cmd.exe - docker run -p 9091:8088 demo

```
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ms\Downloads\demo>docker --version
Docker version 27.0.3, build 7d4bcd8

C:\Users\Ms\Downloads\demo>docker build -t demo .
[+] Building 4.9s (8/8) FINISHED                                                docker:desktop-linux
 => [internal] load build definition from Dockerfile                                          0.0s
 => => transferring dockerfile: 309B                                                          0.0s
 => [internal] load metadata for docker.io/library/openjdk:17                                 3.1s
 => [auth] library/openjdk:pull token for registry-1.docker.io                                0.0s
 => [internal] load .dockerignore                                                             0.0s
 => => transferring context: 2B                                                               0.0s
 => [internal] load build context                                                             1.3s
 => => transferring context: 19.25MB                                                          1.3s
 => CACHED [1/2] FROM docker.io/library/openjdk:17@sha256:528707081fdb9562eb819128a9f85ae7fe000e2fbaeaf9f87662e7b  0.0s
 => [2/2] ADD target/demo.jar demo.jar                                                        0.2s
 => exporting to image                                                                        0.2s
 => => exporting layers                                                                       0.1s
 => => writing image sha256:afbd2271be5d7756d2f0c0a9bb38630ab86be8fd4d23ca948e0cd0d42c5fe14e  0.0s
 => => naming to docker.io/library/demo                                                       0.0s

What's next:
    View a summary of image vulnerabilities and recommendations → docker scout quickview

C:\Users\Ms\Downloads\demo>docker run -p 9091:8088 demo

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 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.7.13)

2024-07-31 17:14:07.475  INFO 1 --- [           main] com.amdocs.DemoAqeApplication            : Starting DemoAqeApplication v0.0.1-SNAPSHOT using Java 17.0.2 on 775f24
43f6c1 with PID 1 (/demo.jar started by root in /)
2024-07-31 17:14:07.480  INFO 1 --- [           main] com.amdocs.DemoAqeApplication            : No active profile set, falling back to 1 default profile: "default"
2024-07-31 17:14:09.254  INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s): 8088 (http)
2024-07-31 17:14:09.281  INFO 1 --- [           main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2024-07-31 17:14:09.282  INFO 1 --- [           main] org.apache.catalina.core.StandardEngine  : Starting Servlet engine: [Apache Tomcat/9.0.76]
2024-07-31 17:14:09.469  INFO 1 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
2024-07-31 17:14:09.469  INFO 1 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1869 ms
```

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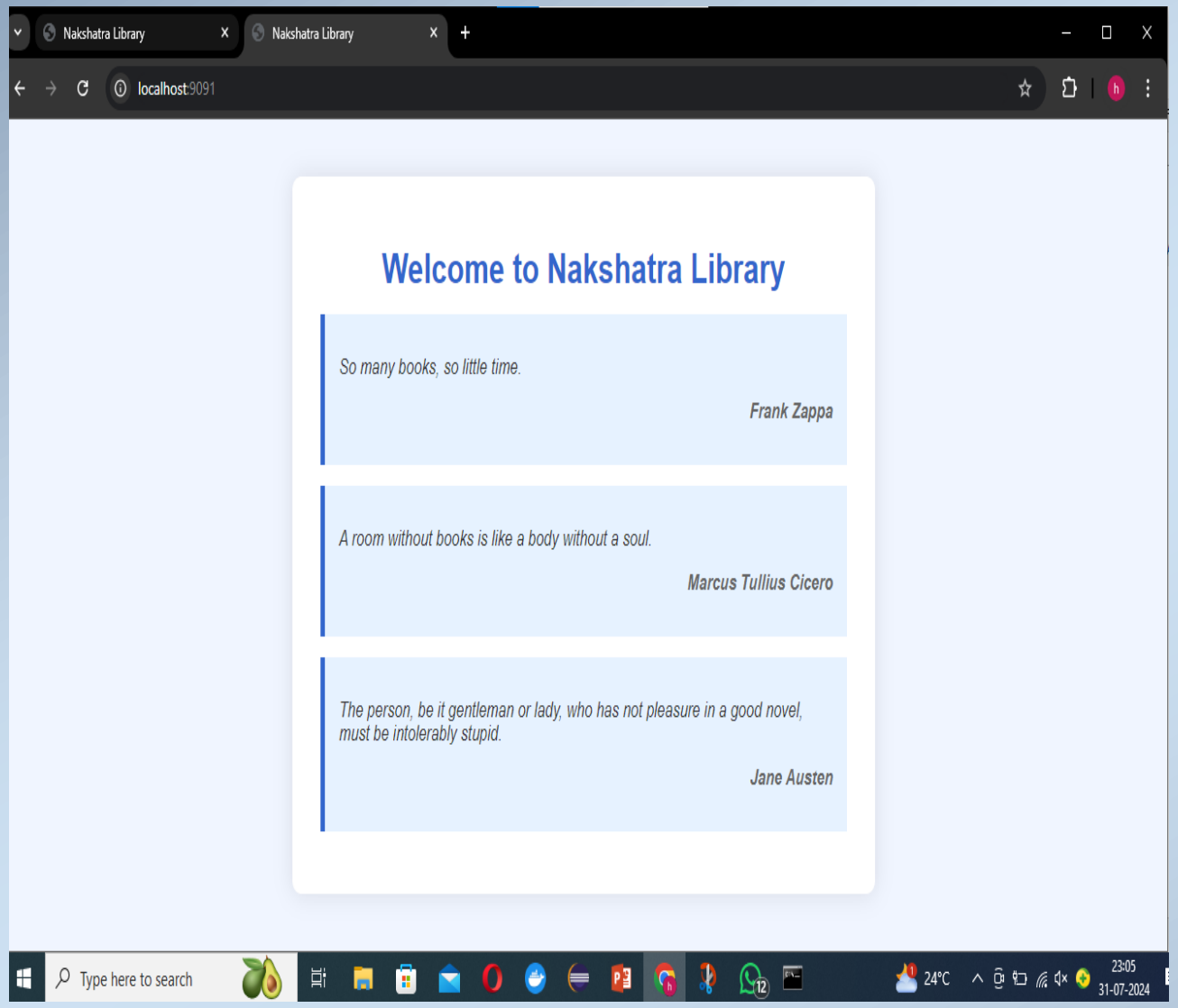
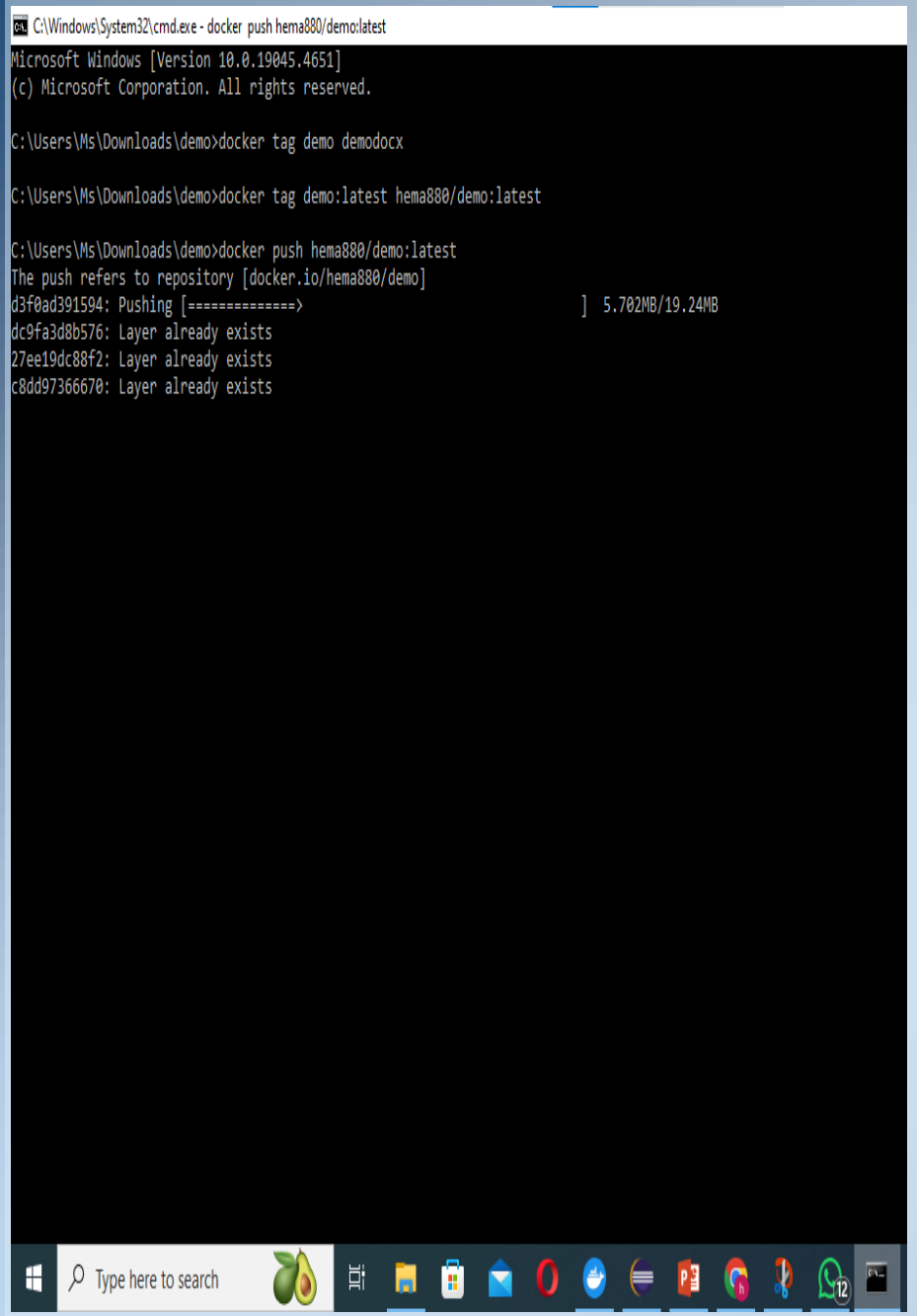
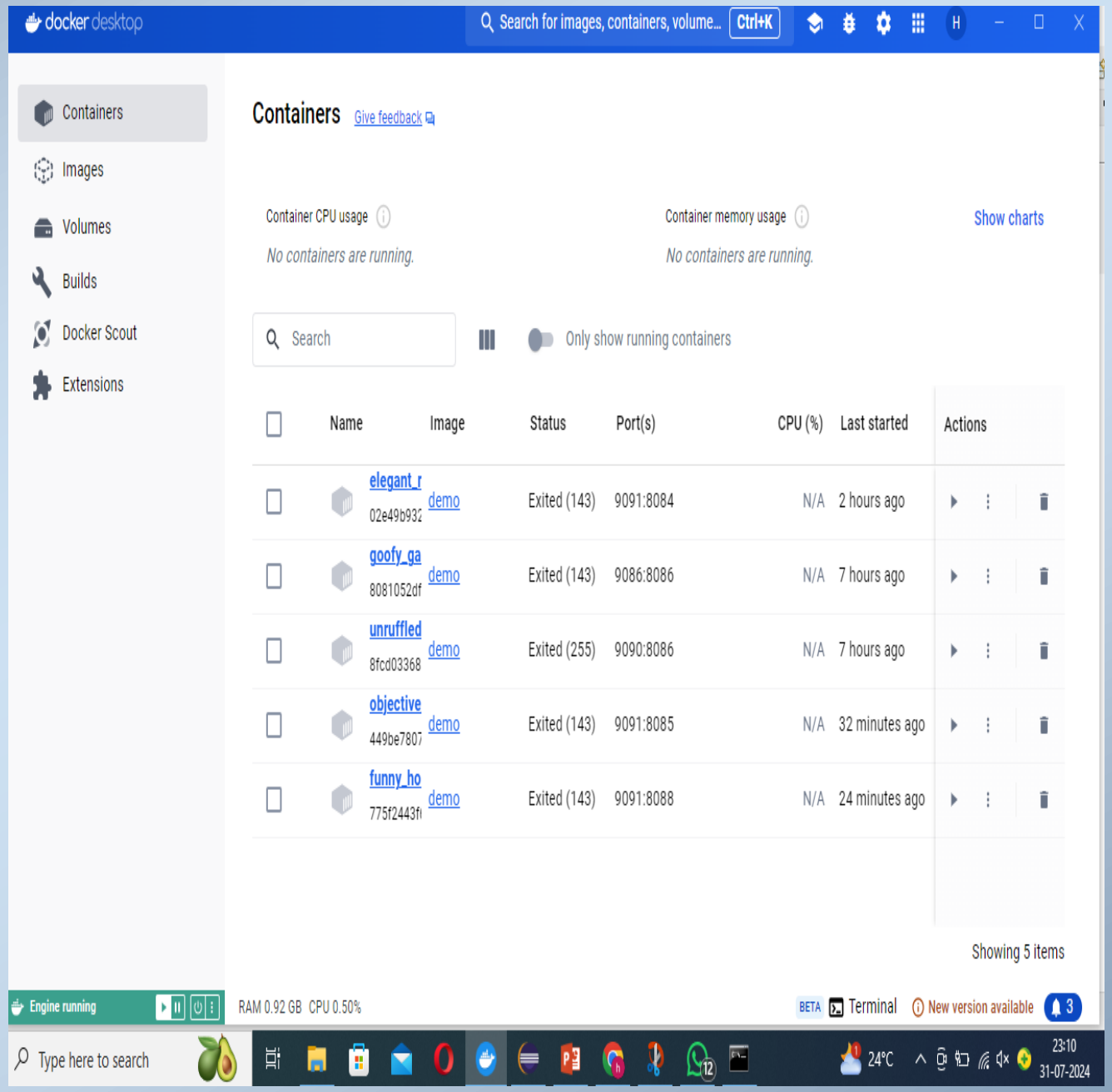
25°C
23:02
31-07-2024

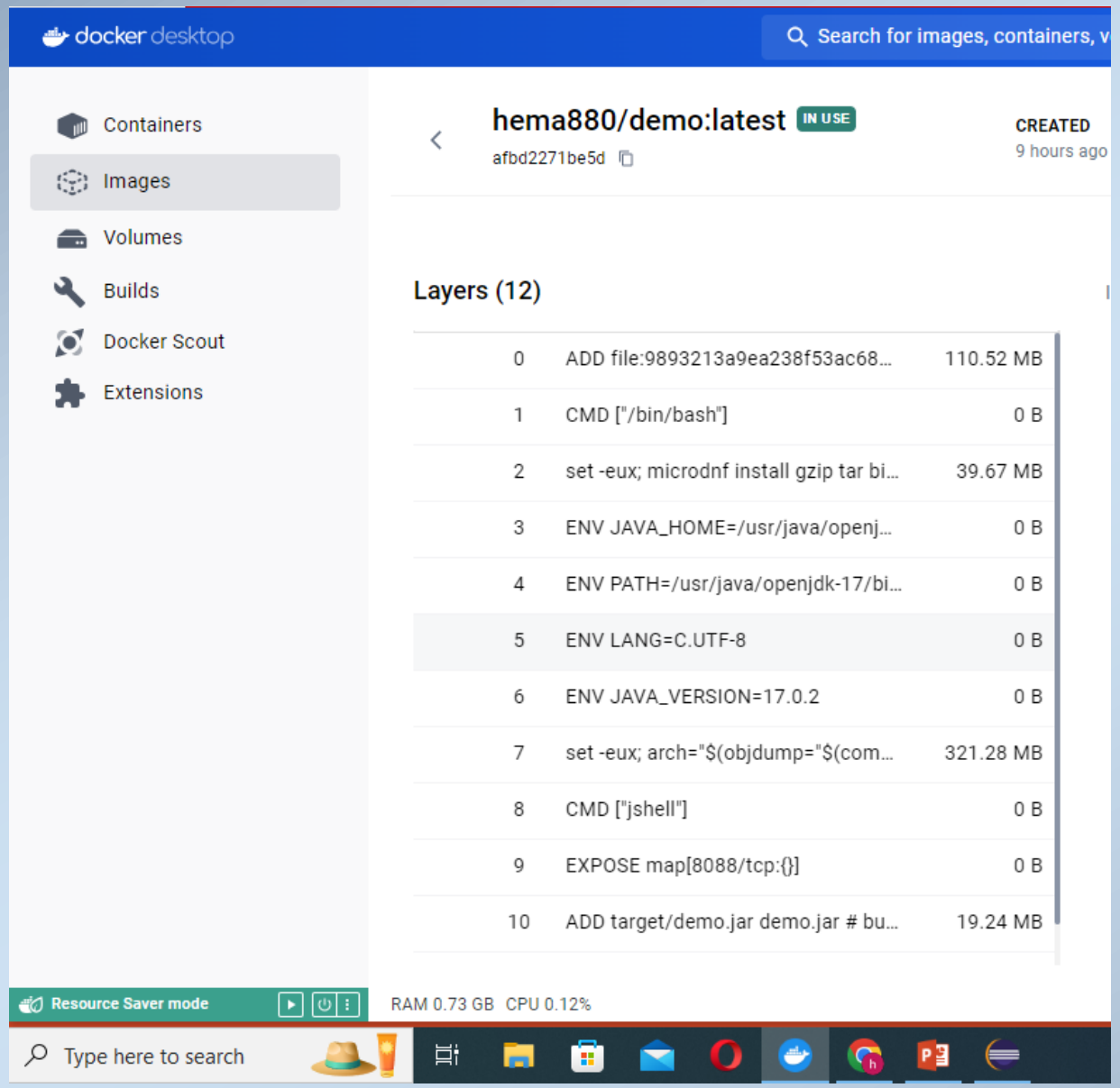
Port mapping



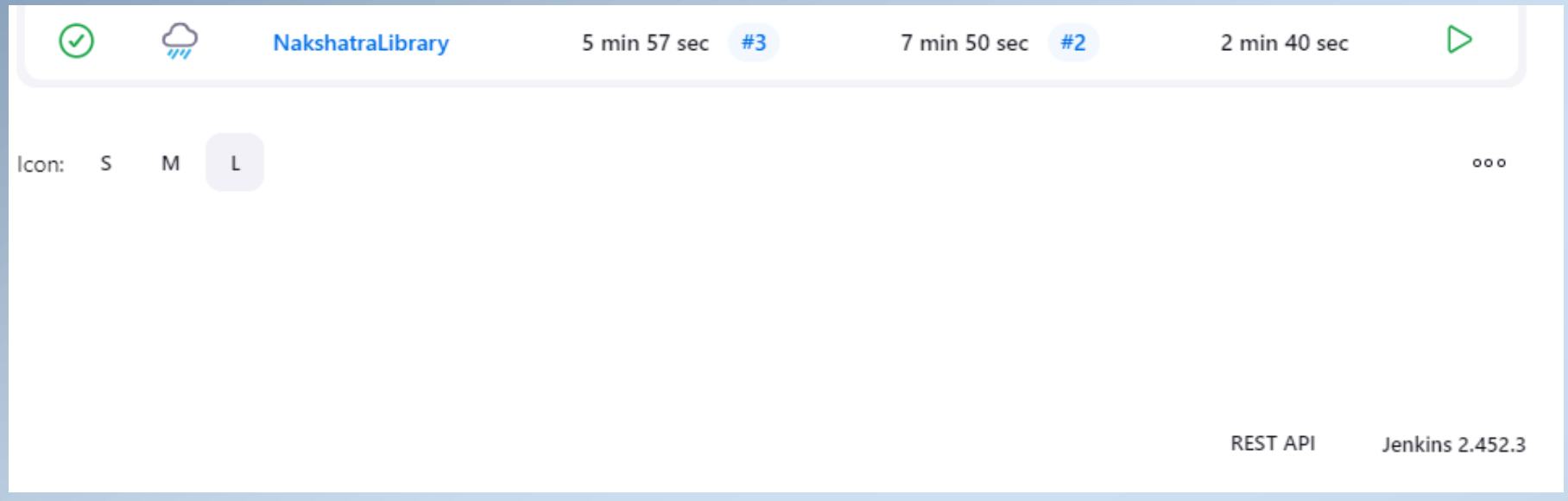

C:\Windows\System32\cmd.exe - docker push hema880/demo:latest
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Ms\Downloads\demo>docker tag demo demodocx
C:\Users\Ms\Downloads\demo>docker tag demo:latest hema880/demo:latest
C:\Users\Ms\Downloads\demo>docker push hema880/demo:latest
The push refers to repository [docker.io/hema880/demo]
d3f0ad391594: Pushing [==========>] 5.702MB/19.24MB
dc9fa3d8b576: Layer already exists
27ee19dc88f2: Layer already exists
c8dd97366670: Layer already exists
Type here to search


docker desktop
Search for images, containers, volume... Ctrl+K
Containers
Images
Volumes
Builds
Docker Scout
Extensions
Containers
Give feedback
Container CPU usage
No containers are running.
Container memory usage
No containers are running.
Show charts
Search
Only show running containers
Name Image Status Port(s) CPU (%) Last started Actions
elegant_r 02e49b932 demo Exited (143) 9091:8084 N/A 2 hours ago
goofy_ga 8081052df demo Exited (143) 9086:8086 N/A 7 hours ago
unruffled 8fcd03368 demo Exited (255) 9090:8086 N/A 7 hours ago
objective 449be7807 demo Exited (143) 9091:8085 N/A 32 minutes ago
funny_ho 775f2443fi demo Exited (143) 9091:8088 N/A 24 minutes ago
Showing 5 items
Engine running
RAM 0.92 GB CPU 0.50%
BETA Terminal
New version available
3
Type here to search
24°C
23:10
31-07-2024

Deployed files into docker

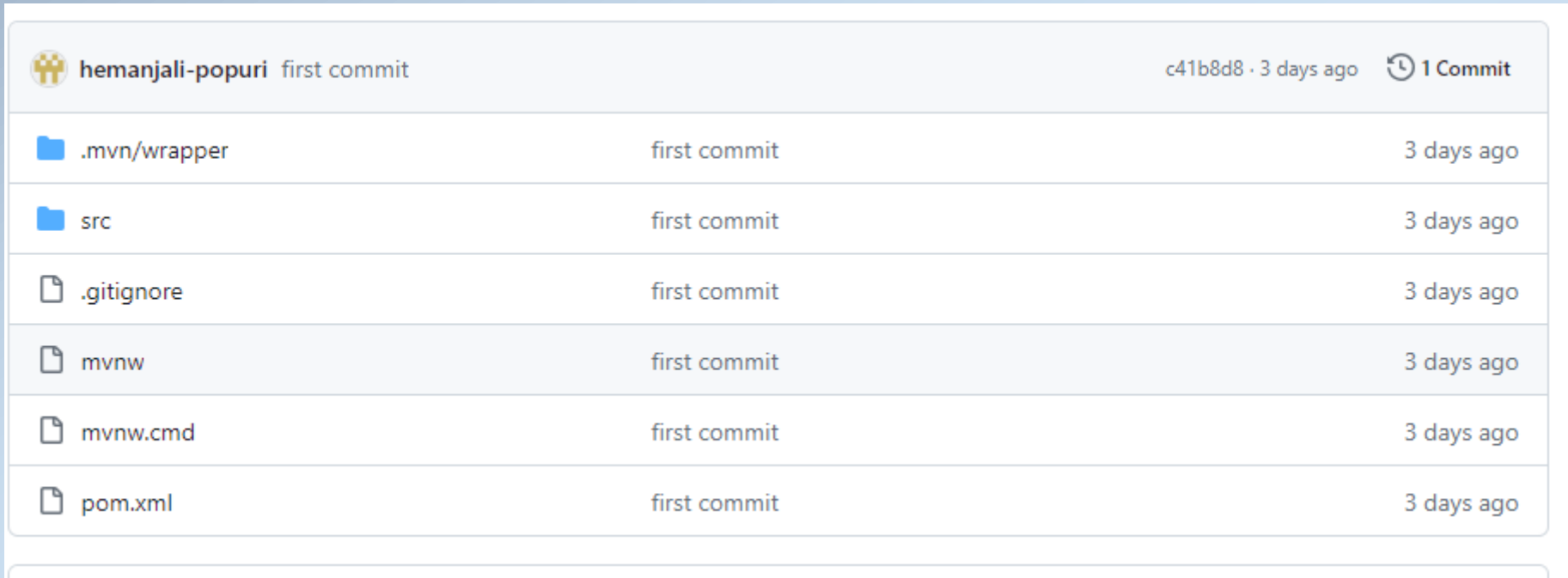


Jenkins Pipeline




```
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/resolver/maven-resolver-api/1.9.18/maven-resolver-api-1.9.18.jar (157 kB at 1.0 MB/s)
[INFO] Installing C:\ProgramData\Jenkins\.jenkins\workspace\NakshatraLibrary\pom.xml to C:\WINDOWS\system32\config\systemprofile\.m2\repository\com\amdocs\demo\0.0.1-SNAPSHOT\demo-0.0.1-SNAPSHOT.pom
[INFO] Installing C:\ProgramData\Jenkins\.jenkins\workspace\NakshatraLibrary\target\demo-0.0.1-SNAPSHOT.jar to C:\WINDOWS\system32\config\systemprofile\.m2\repository\com\amdocs\demo\0.0.1-SNAPSHOT\demo-0.0.1-SNAPSHOT.jar
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  02:27 min
[INFO] Finished at: 2024-08-01T11:07:25+05:30
[INFO] ------------------------------------------------------------------------
Finished: SUCCESS
```

Pushed the project folder into github



THANK YOU