

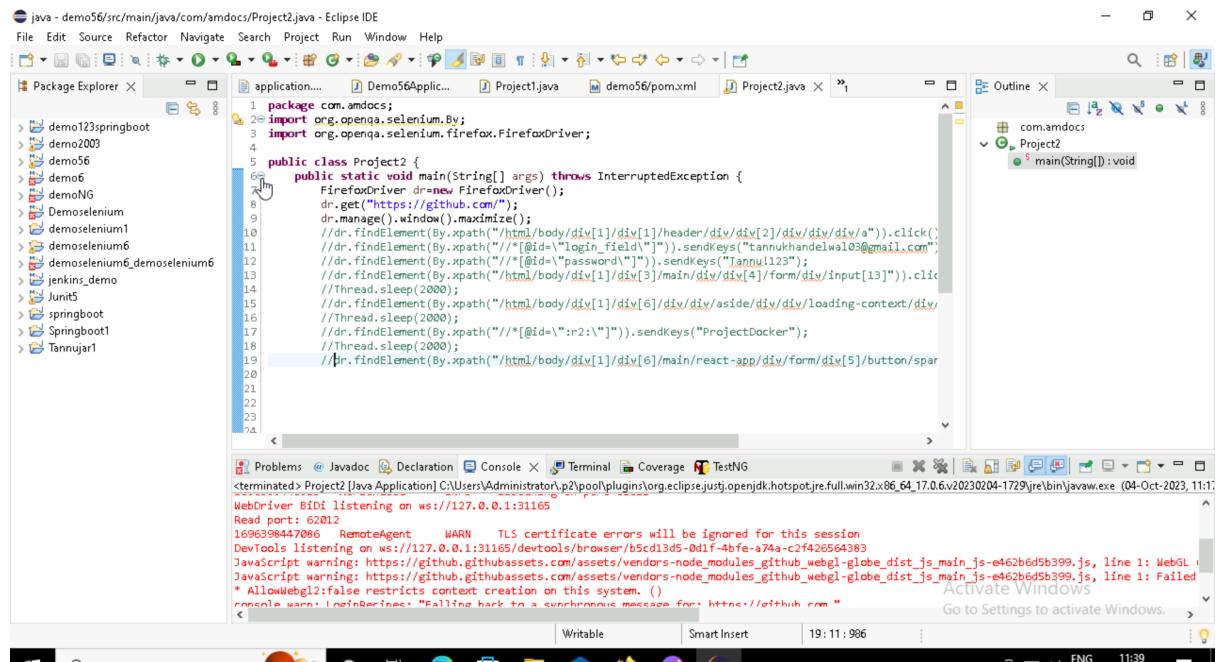
Name - Tannu Khandelwal

Employee Id - 203129

Project - Selenium Testing and Docker

Objective :- Creating Docker image & deploying in docker container & create word document with screenshot and performing Junit testing on Java project.

- Selenium Testing of Github

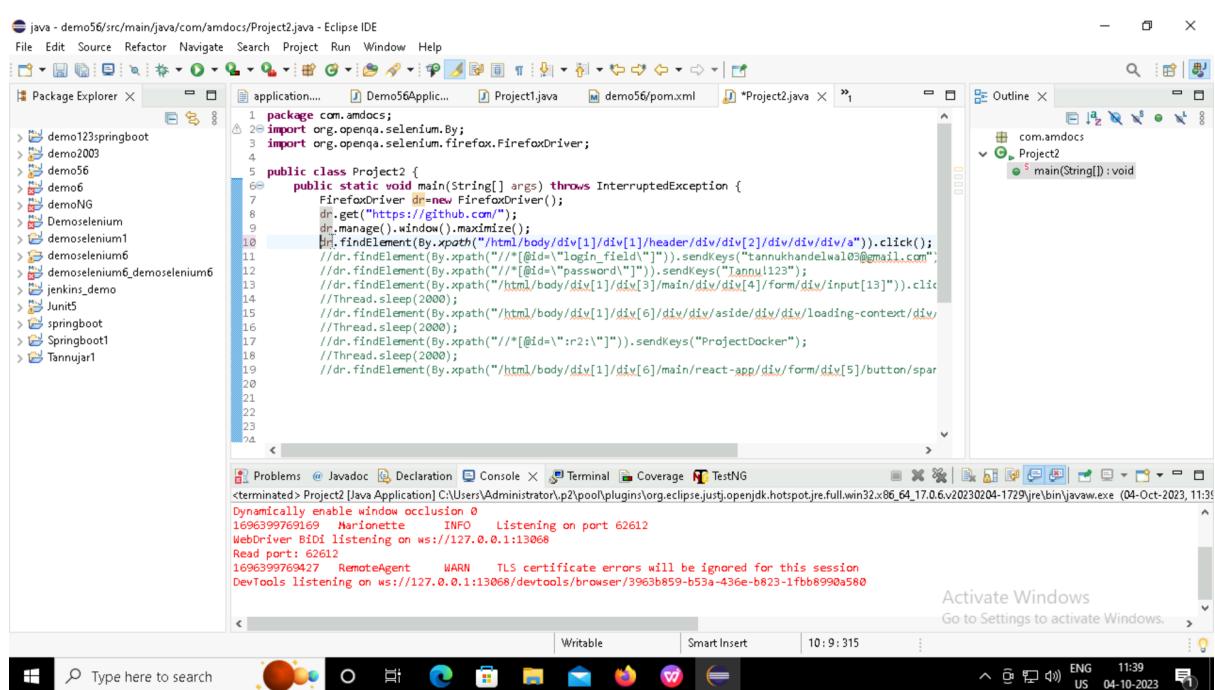
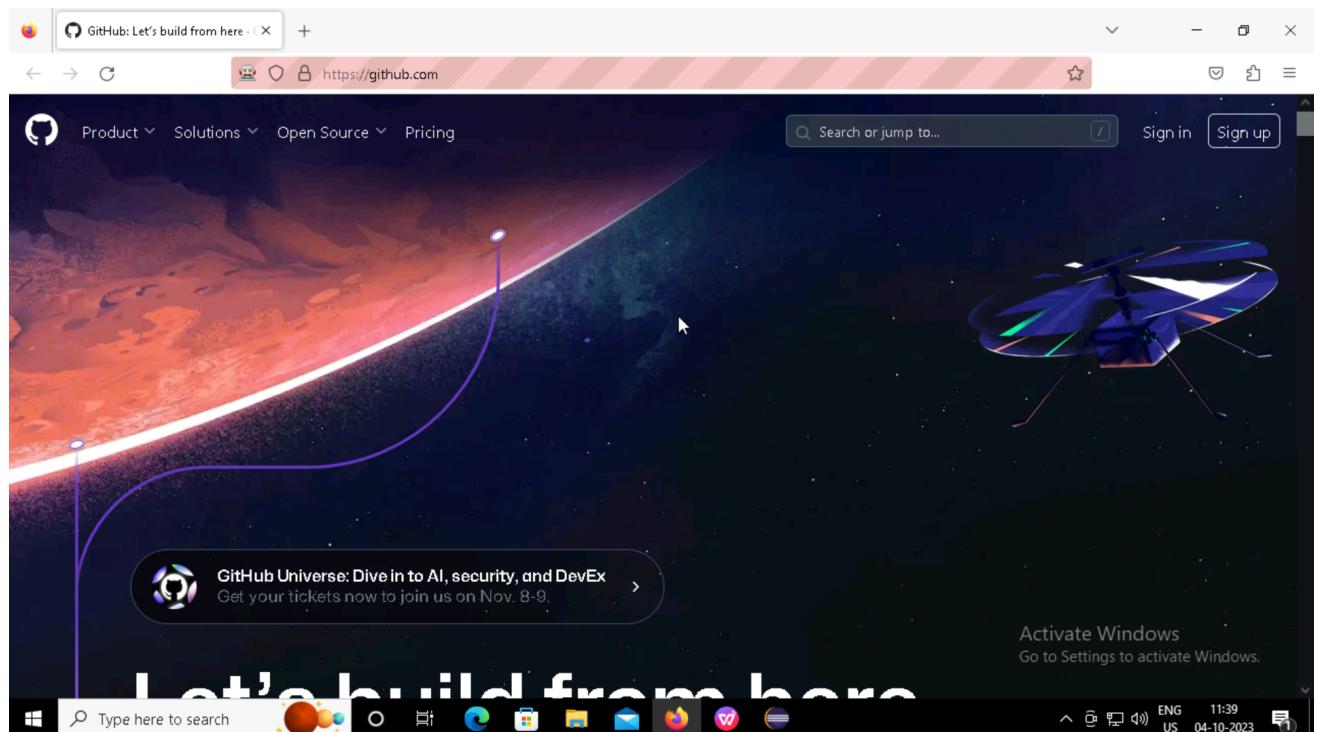


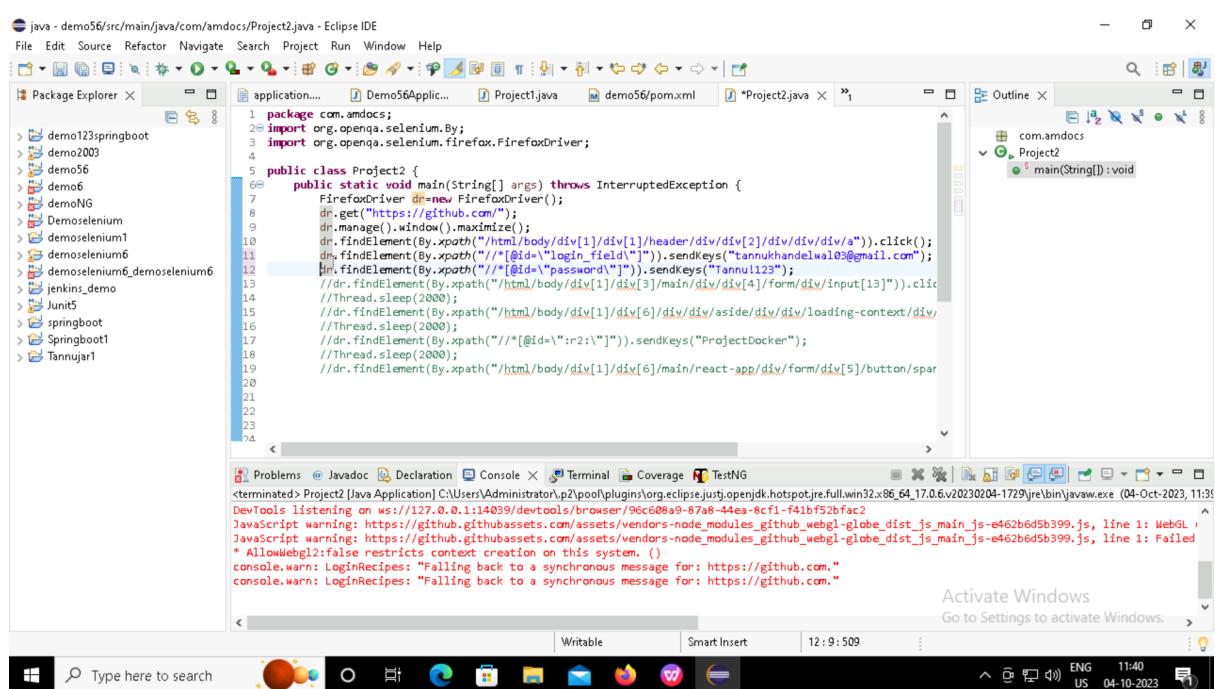
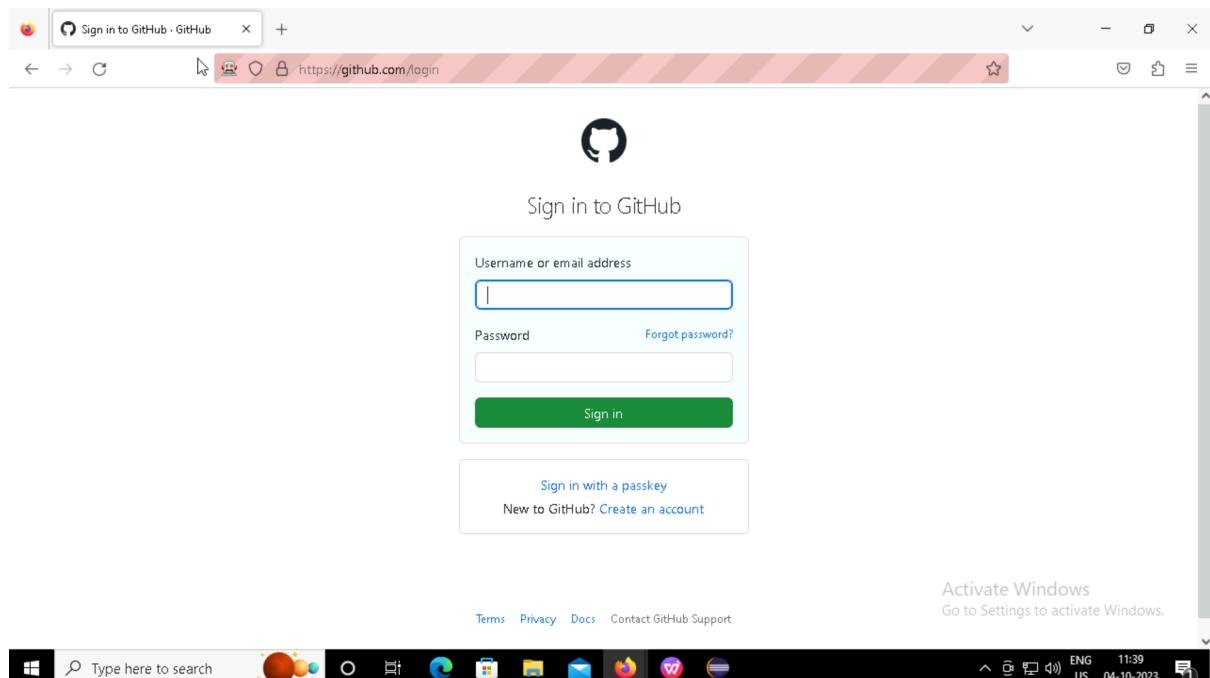
The screenshot shows the Eclipse IDE interface with the following details:

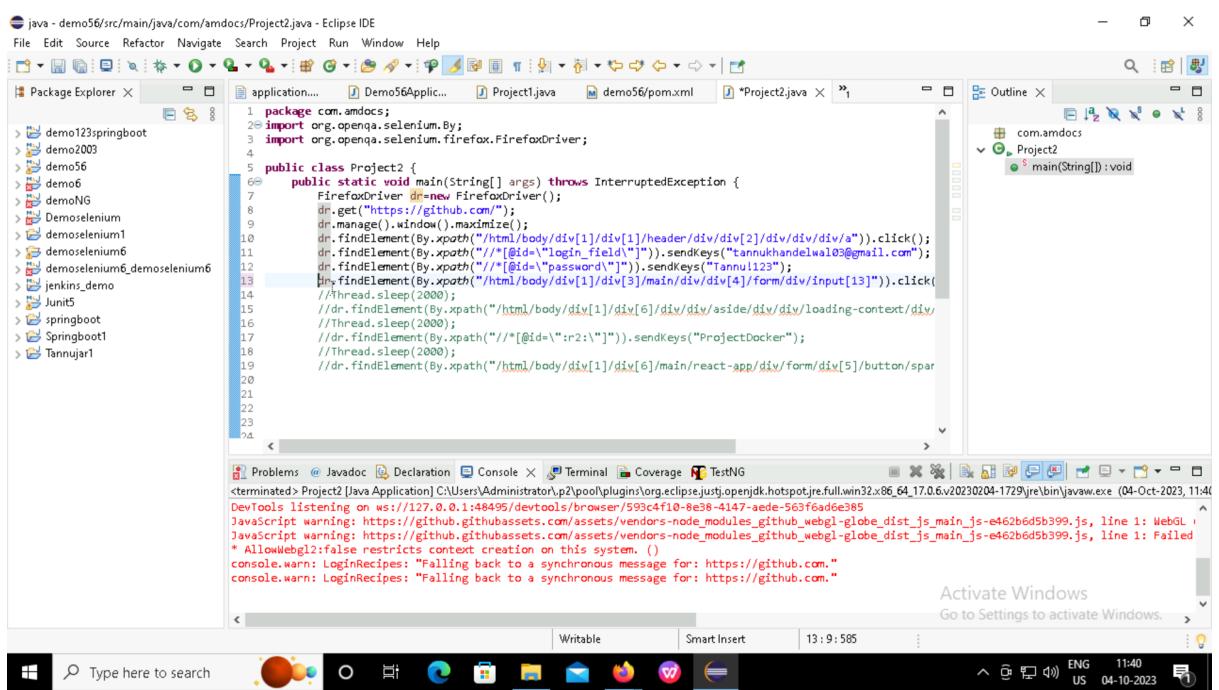
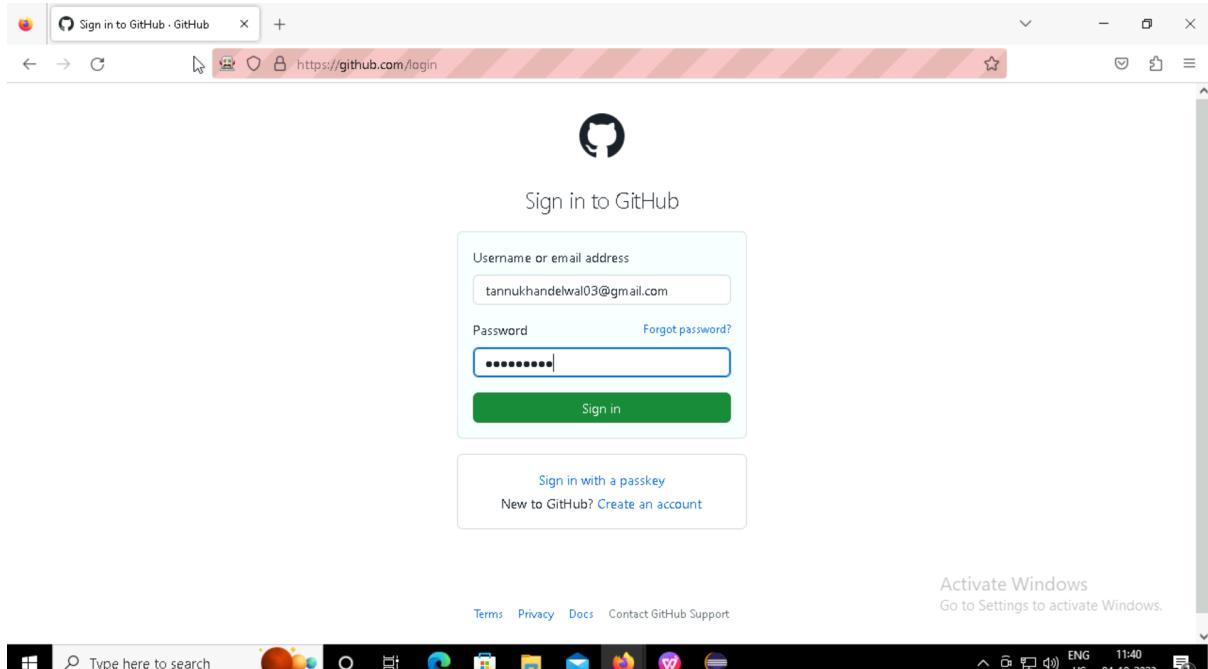
- Java Editor:** Displays a Java class named `Project2` with the following code:

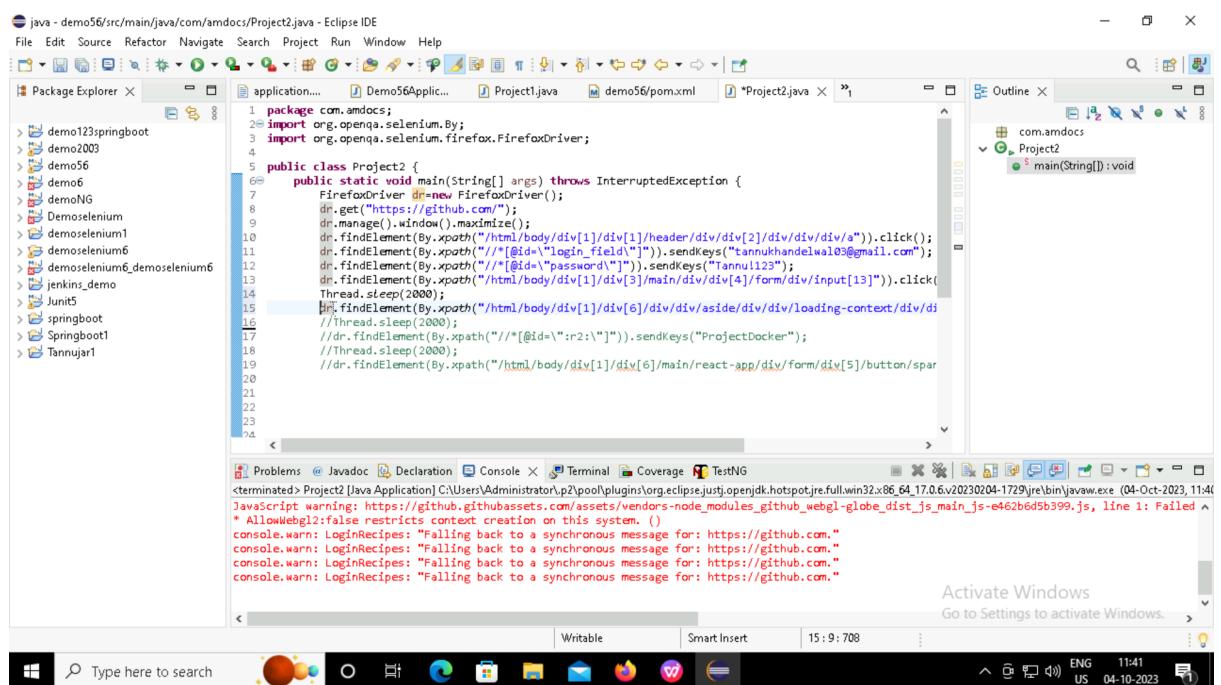
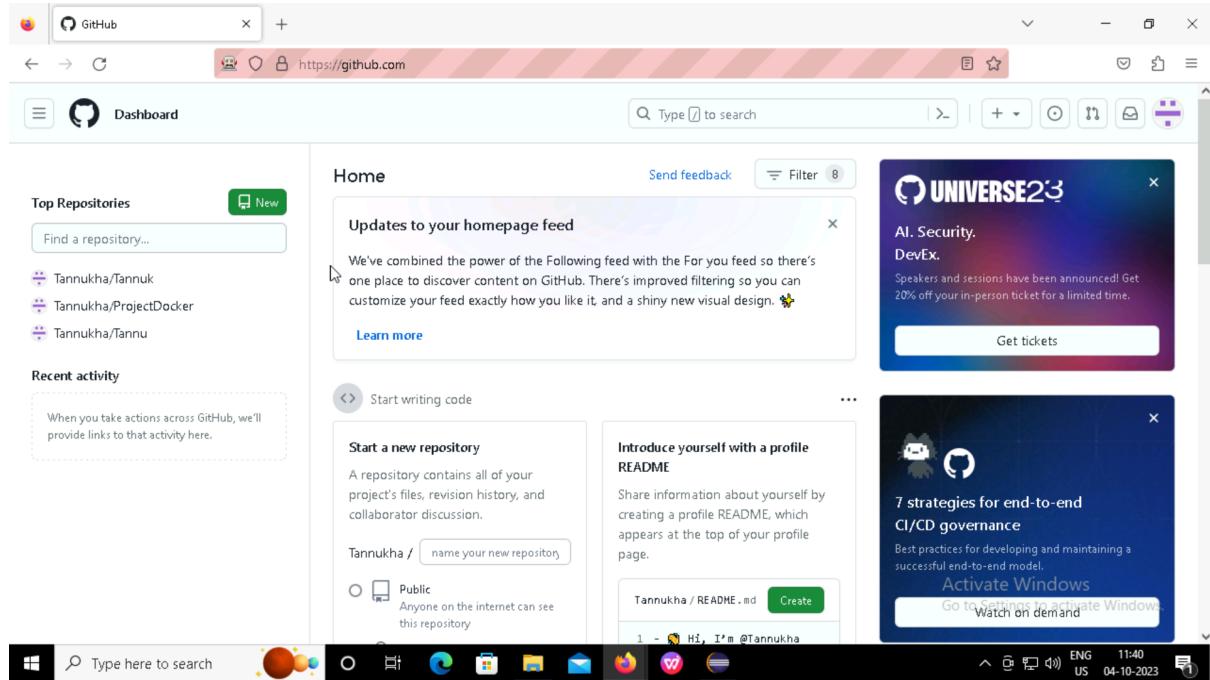
```
1 package com.amdocs;
2 import org.openqa.selenium.By;
3 import org.openqa.selenium.firefox.FirefoxDriver;
4
5 public class Project2 {
6     public static void main(String[] args) throws InterruptedException {
7         FirefoxDriver dr=new FirefoxDriver();
8         dr.get("https://github.com/");
9         dr.manage().window().maximize();
10        //dr.findElement(By.xpath("//html/body/div[1]/div[1]/header/div/div[2]/div/div/a")).click();
11        //dr.findElement(By.xpath("//*[@id='login_field']")).sendKeys("tannukhandelwal03@gmail.com");
12        //dr.findElement(By.xpath("//*[@id='password']")).sendKeys("Tannu123");
13        //dr.findElement(By.xpath("//html/body/div[1]/div[3]/main/div/div[4]/form/div/input[13]")).click();
14        //Thread.sleep(2000);
15        //dr.findElement(By.xpath("//html/body/div[1]/div[6]/div/div/aside/div/div/loading-context/div"));
16        //Thread.sleep(2000);
17        //dr.findElement(By.xpath("//*[@id='r2:V']")).sendKeys("ProjectDocker");
18        //Thread.sleep(2000);
19        //dr.findElement(By.xpath("//html/body/div[1]/div[6]/main/react-app/div/form/div[5]/button/span"));
20
21
22
23
24    }
}
```

- Outline View:** Shows the class structure with the method `main(String[] args)`.
- Terminal:** Shows the command `java - demo56/src/main/java/com/amdocs/Project2.java` being run in the terminal.
- System Tray:** Shows the Windows taskbar with various icons and system status information.







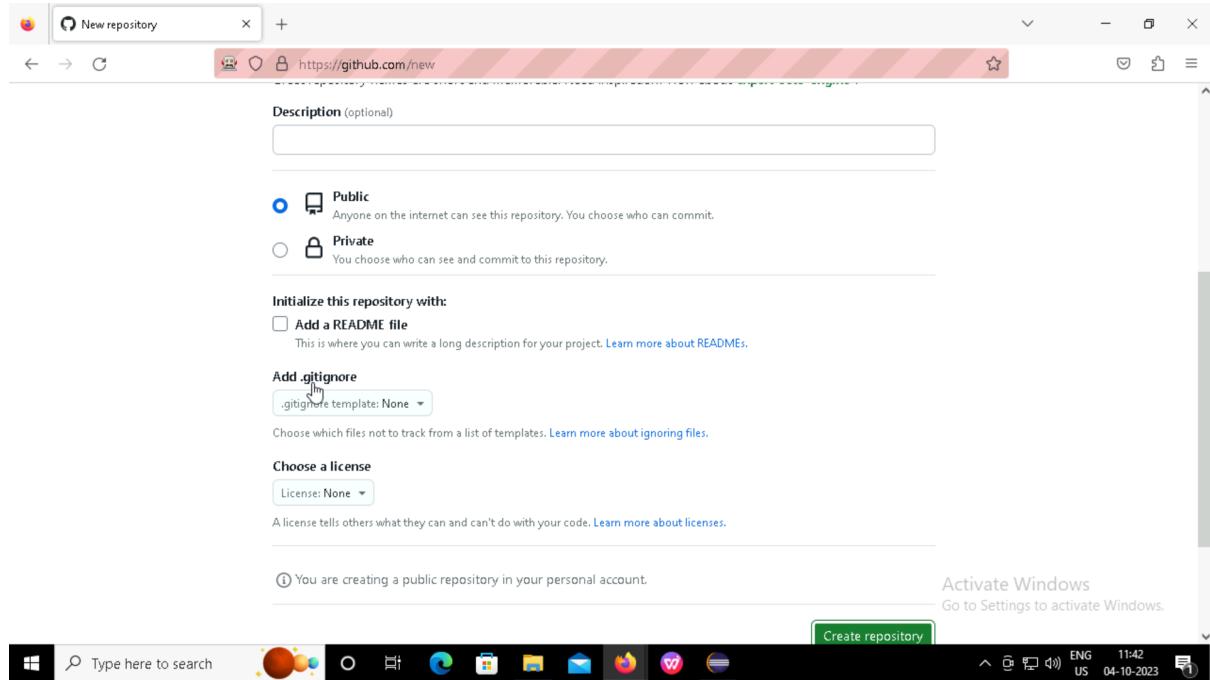


The screenshot shows a web browser window with the URL <https://github.com/new>. The page title is "New repository". It asks "Create a new repository" and explains that a repository contains all project files, including the revision history. There is a link to "Import a repository". A note says "Required fields are marked with an asterisk (*)." The "Owner" field is set to "Tannukha" and the "Repository name" field is empty. Below it, a note says "Great repository names are short and memorable. Need inspiration? How about [fantastic-rotary-phone](#) ?". A "Description (optional)" text area is present. Under "Visibility", "Public" is selected, with a note: "Anyone on the internet can see this repository. You choose who can commit.". "Private" is also an option. A note below says "You choose who can see and commit to this repository.". A section titled "Initialize this repository with:" has a checked "Add a README file" checkbox. The browser's address bar shows "Type here to search" and the taskbar at the bottom indicates "Activate Windows Go to Settings to activate Windows." The system tray shows the date as 04-10-2023.

The screenshot shows the Eclipse IDE interface with the title "java - demo56/src/main/java/com/amdocs/Project2.java - Eclipse IDE". The code in the editor is:

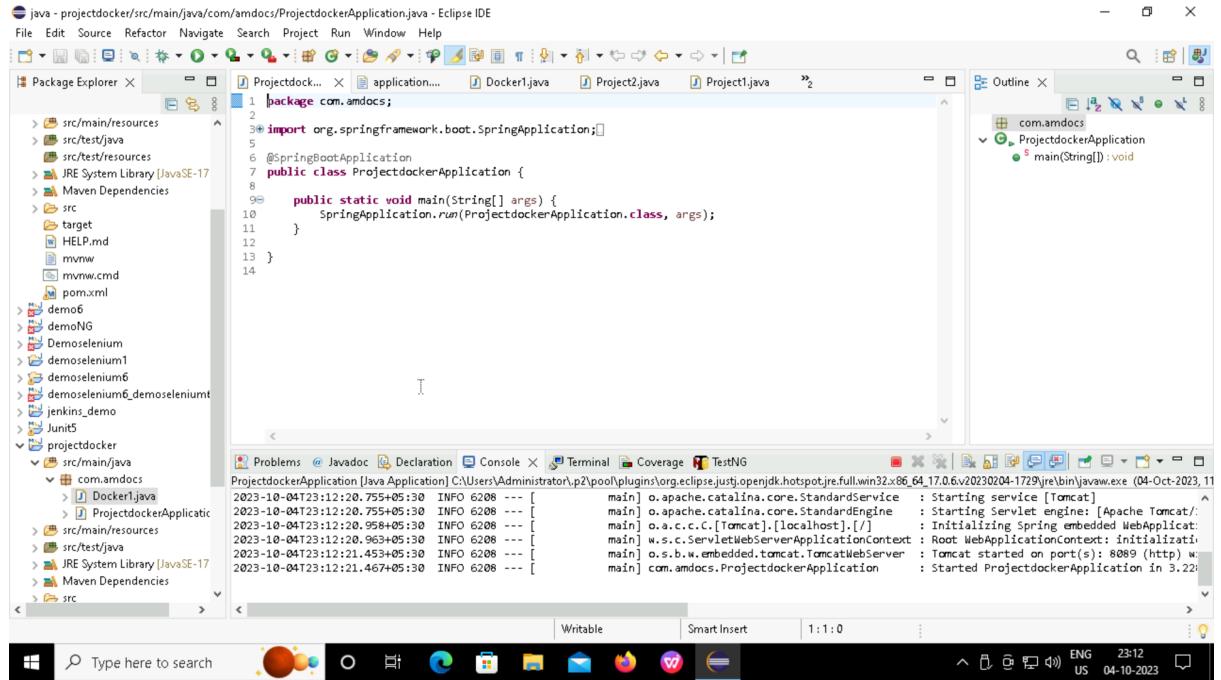
```
1 package com.amdocs;
2 import org.openqa.selenium.By;
3 import org.openqa.selenium.firefox.FirefoxDriver;
4
5 public class Project2 {
6     public static void main(String[] args) throws InterruptedException {
7         FirefoxDriver dr=new FirefoxDriver();
8         dr.get("https://github.com/");
9         dr.manage().window().maximize();
10        dr.findElement(By.xpath("//html/body/div[1]/div[1]/header/div/div[2]/div/div/div/a")).click();
11        dr.findElement(By.xpath("//*[@id='login_field']")).sendKeys("tannukuhandelwala03@gmail.com");
12        dr.findElement(By.xpath("//*[@id='password']")).sendKeys("Tannu1123");
13        dr.findElement(By.xpath("//html/body/div[1]/div[3]/main/div/div[4]/form/div/input[13]")).click();
14        Thread.sleep(2000);
15        dr.findElement(By.xpath("//html/body/div[1]/div/div/aside/div/div/loading-context/div/di
16        Thread.sleep(2000);
17        dr.findElement(By.xpath("//*[@id='r2'])").sendKeys("ProjectDocker");
18        Thread.sleep(2000);
19        dr.findElement(By.xpath("//html/body/div[1]/div/main/react-app/div/form/div[5]/button/span/"));
20
21
22
23
24}
```

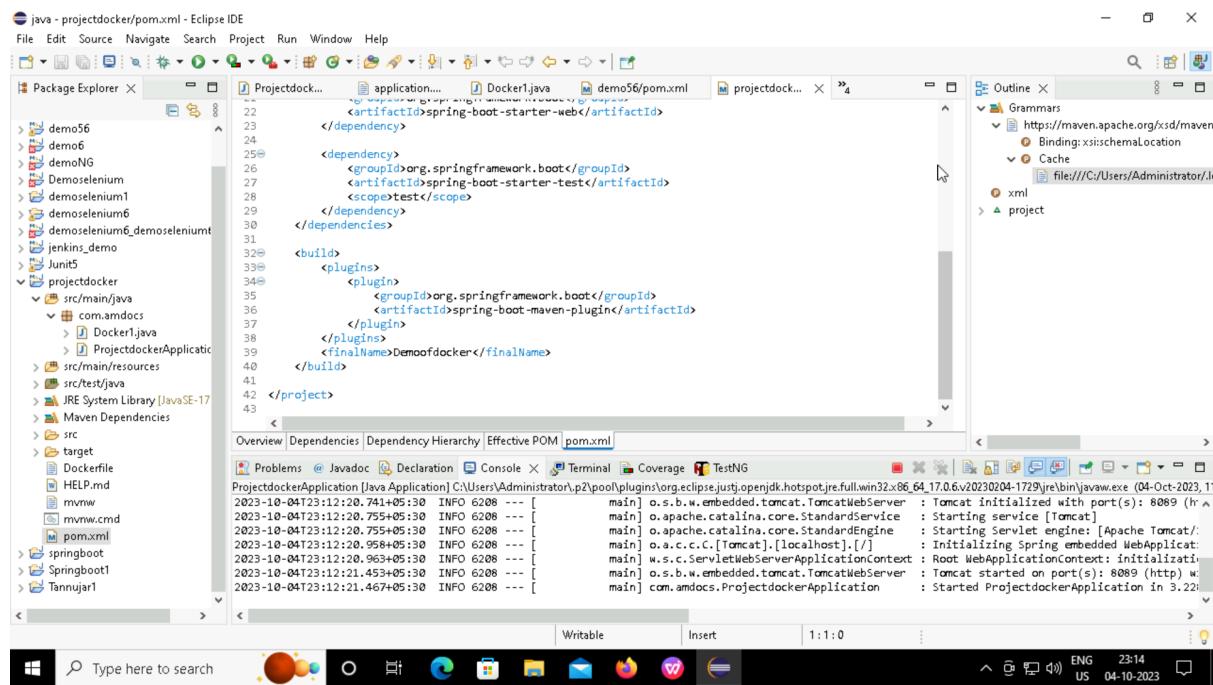
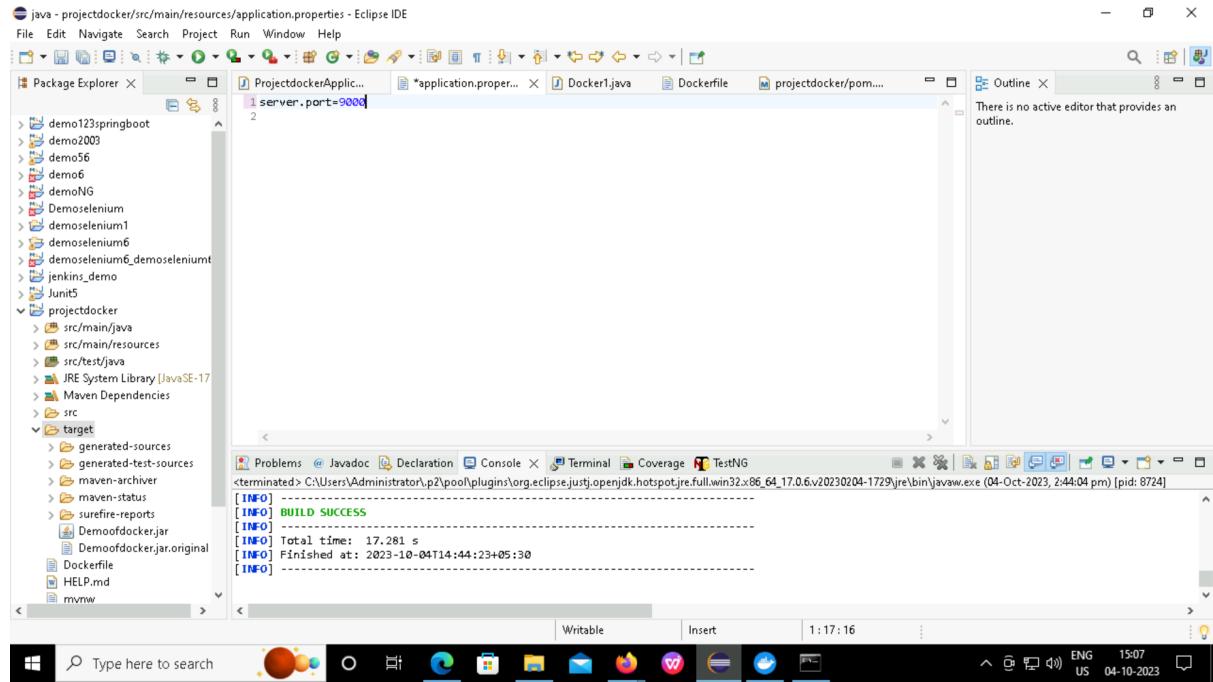
The "Outline" view on the right shows the class structure. The status bar at the bottom indicates "Activate Windows Go to Settings to activate Windows." The system tray shows the date as 04-10-2023.

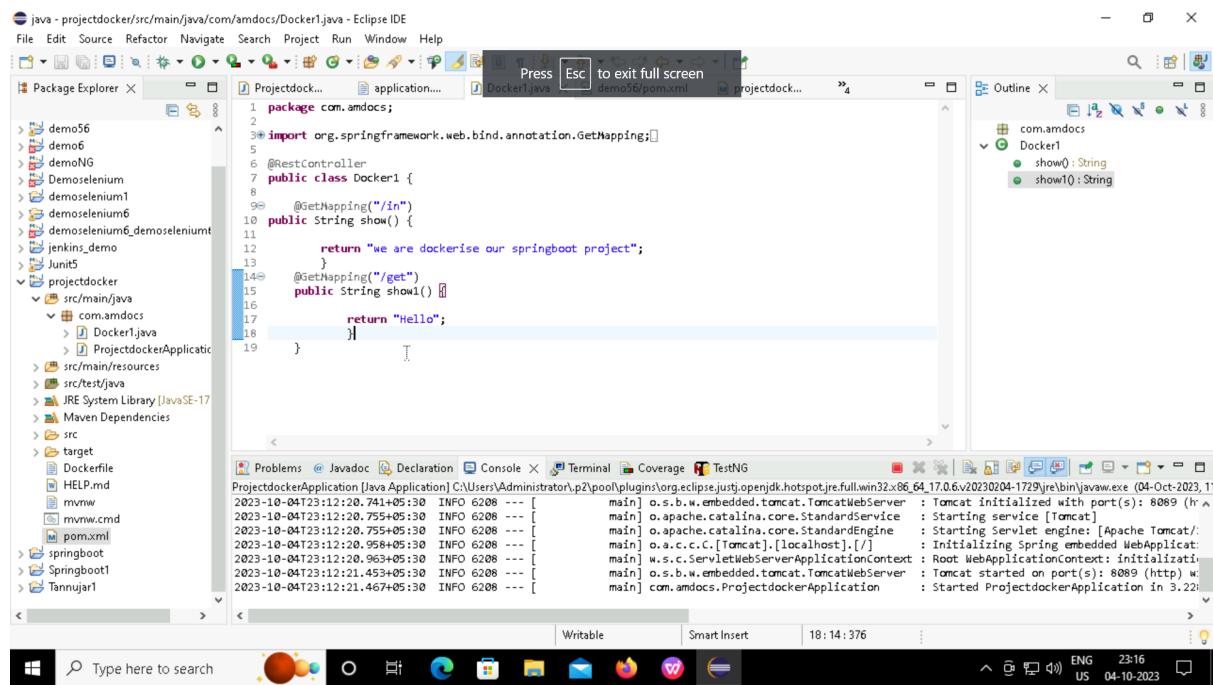
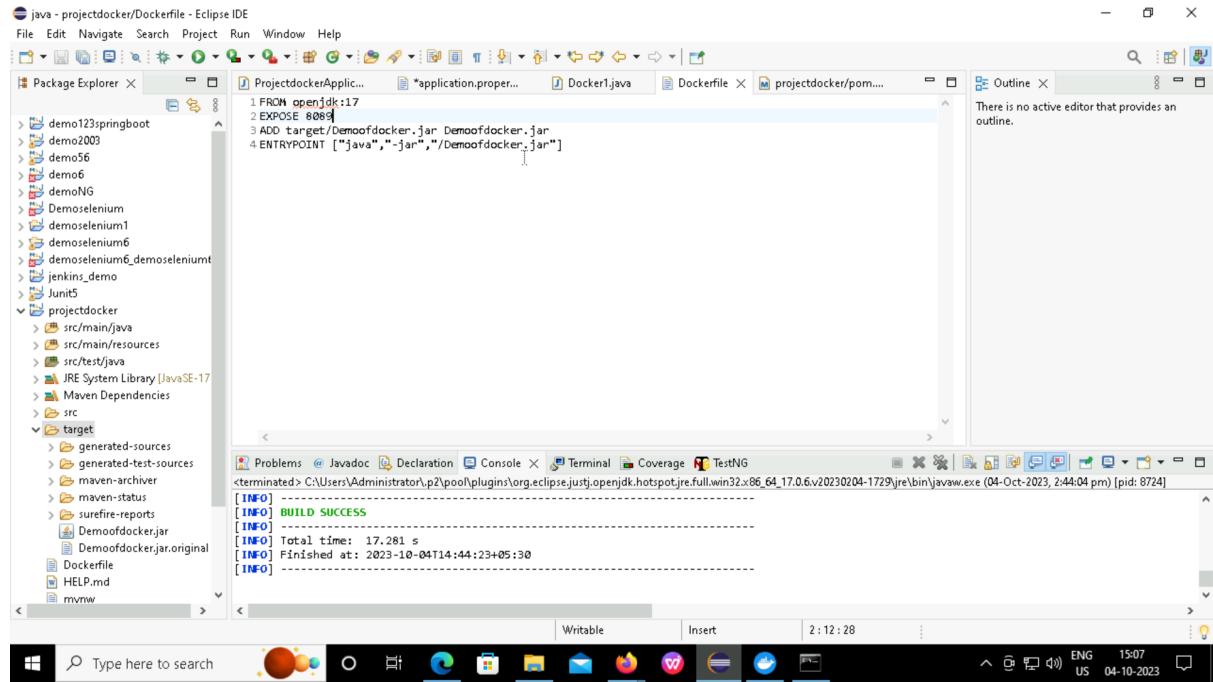


● Docker

Code:-







```
Administrator: C:\Windows\System32\cmd.exe
See 'docker tag --help'.

Usage: docker tag SOURCE_IMAGE[:TAG] TARGET_IMAGE[:TAG]

Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE

C:\Users\Administrator\Downloads\projectdocker>docker build -t demoofdocker:1.3 .
[+] Building 6.7s (8/8) FINISHED
 => [internal] load build definition from Dockerfile
 => [internal] load .dockerignore
 => [internal] transfer context: 2B
 => [internal] load metadata for docker.io/library/openjdk:17
 [+] Building 5.3s (8/8)
 => [internal] load token for registry-1.docker.io
 => [internal] load build context
 => [internal] transfer context: 19.02MB
 => [internal] FROM docker.io/library/openjdk:17@sha256:528707081fdb9562eb819128a9f85ae7fe000e2fbaef9f87662e7b
 [+] Adding target/Demoofdocker.jar Demoofdocker.jar
 => exporting to image
 => exporting layers
 => writing image sha256:260dac7c8cea8bddce139732687daecfd5e2cf5092418c8482cb2af7e1a30df
 => naming to docker.io/library/demoofdocker:1.3

What's Next?
View summary of image vulnerabilities and recommendations → docker scout quickview

C:\Users\Administrator\Downloads\projectdocker>
```

```
Administrator: C:\Windows\System32\cmd.exe
[+] Adding target/Demoofdocker.jar Demoofdocker.jar
=> exporting to image
=> exporting layers
=> writing image sha256:260dac7c8cea8bddce139732687daecfd5e2cf5092418c8482cb2af7e1a30df
=> naming to docker.io/library/demoofdocker:1.3

What's Next?
View summary of image vulnerabilities and recommendations → docker scout quickview

C:\Users\Administrator\Downloads\projectdocker>docker images
REPOSITORY          TAG      IMAGE ID   CREATED        SIZE
demoofdocker        1.3      260dac7c8cea   About a minute ago   499MB
demoofdocker:1.2     latest   97547690c4c0   26 minutes ago   499MB
demoofdocker        1.2      97547690c4c0   26 minutes ago   499MB
tannukhandelwal/demoofdocker    latest   97547690c4c0   26 minutes ago   499MB
mysql               latest   b2013ac99101  12 days ago    577MB

Add E:C:\Users\Administrator\Downloads\projectdocker>docker tag demoofdocker:final tannukhandelwal/demoofdocker
Error response from daemon: No such image: demoofdocker:final

C:\Users\Administrator\Downloads\projectdocker>docker push tannukhandelwal/demoofdocker
Using default tag: latest
The push refers to repository [docker.io/tannukhandelwal/demoofdocker]
608a4955c481: Layer already exists
dc9fa3d8b576: Layer already exists
27ee19d889f2: Pushed
c8dd97366670: Layer already exists
latest: digest: sha256:2abc77b62a7eed298568b81315d08fc803ed16391b877af2f00b593ceccf2 size: 1166

C:\Users\Administrator\Downloads\projectdocker>
```

java - projectdocker/pom.xml - Eclipse IDE

File Edit Source Navigate Project Run Window Help

Package Explorer *application.prop... Dockerfile Dockerfile projectdocker/pom....

```
21         <groupId>org.springframework.boot</groupId>
22         <artifactId>spring-boot-starter-web</artifactId>
23     
```

```
24     <dependency>
25         <groupId>org.springframework.boot</groupId>
26         <artifactId>spring-boot-starter-test</artifactId>
27     
```

```
28     <scope>test</scope>
29 
```

```
30     </dependencies>
31 
```

```
32     <build>
33         <plugins>
34             <plugin>
35                 <groupId>org.springframework.boot</groupId>
36                 <artifactId>spring-boot-maven-plugin</artifactId>
37             
```

```
38         </plugins>
39         <finalName>Demoofdocker</finalName>
40     
```

```
41 
```

```
42 </project>
```

Overview Dependencies Dependency Hierarchy Effective POM pom.xml

Problems Javadoc Declaration Console Terminal Coverage TestNG

```
<terminated> C:\Users\Administrator\p2\pool\plugins\org.eclipse.jst.java.core\openjdk.hotspot.jre.full.win32.x86_64.17.0.6.v20230204-1729\jre\bin\javaw.exe (04-Oct-2023, 2:44:04 pm) [pid: 8724]
```

```
[INFO] BUILD SUCCESS
[INFO] Total time: 17.281 s
[INFO] Finished at: 2023-10-04T14:44:23+05:30
[INFO]
```

Type here to search Writable Insert 39:32 : 1246

ENG 15:07 US 04-10-2023

