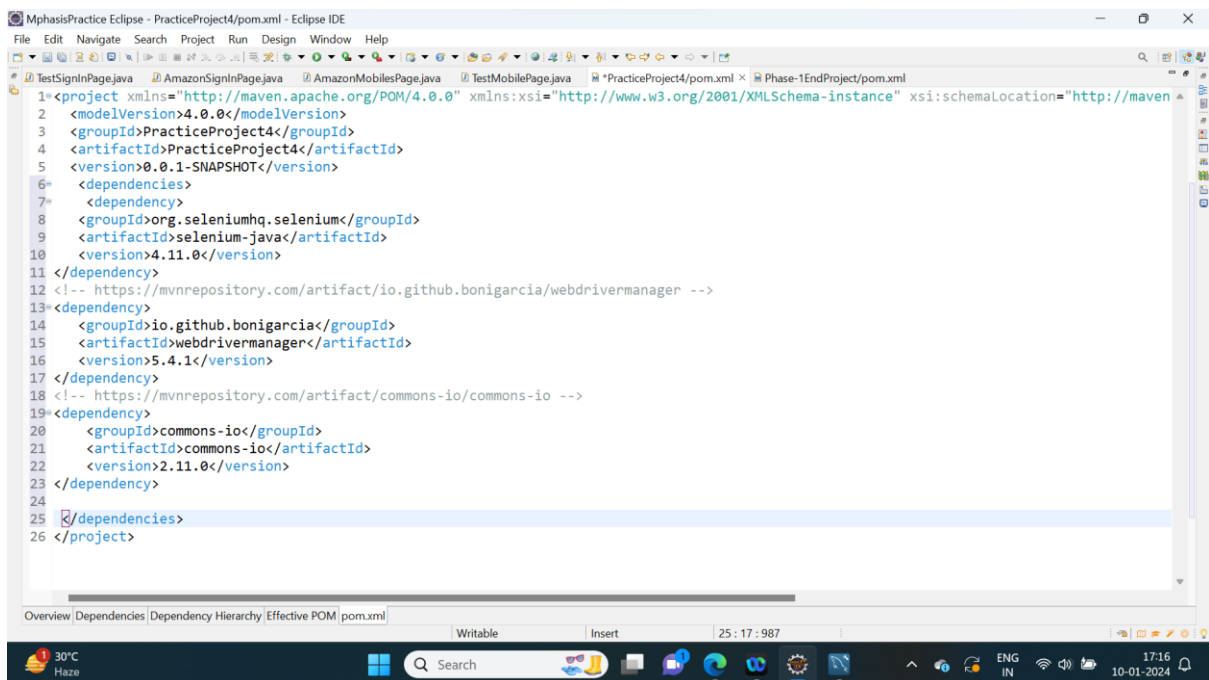


Practice Project 4

Step 1: Create a Maven Project and adding Dependencies

- PracticeProject4
 - src/main/java
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [J2SE-1.5]
 - src
 - target
 - pom.xml

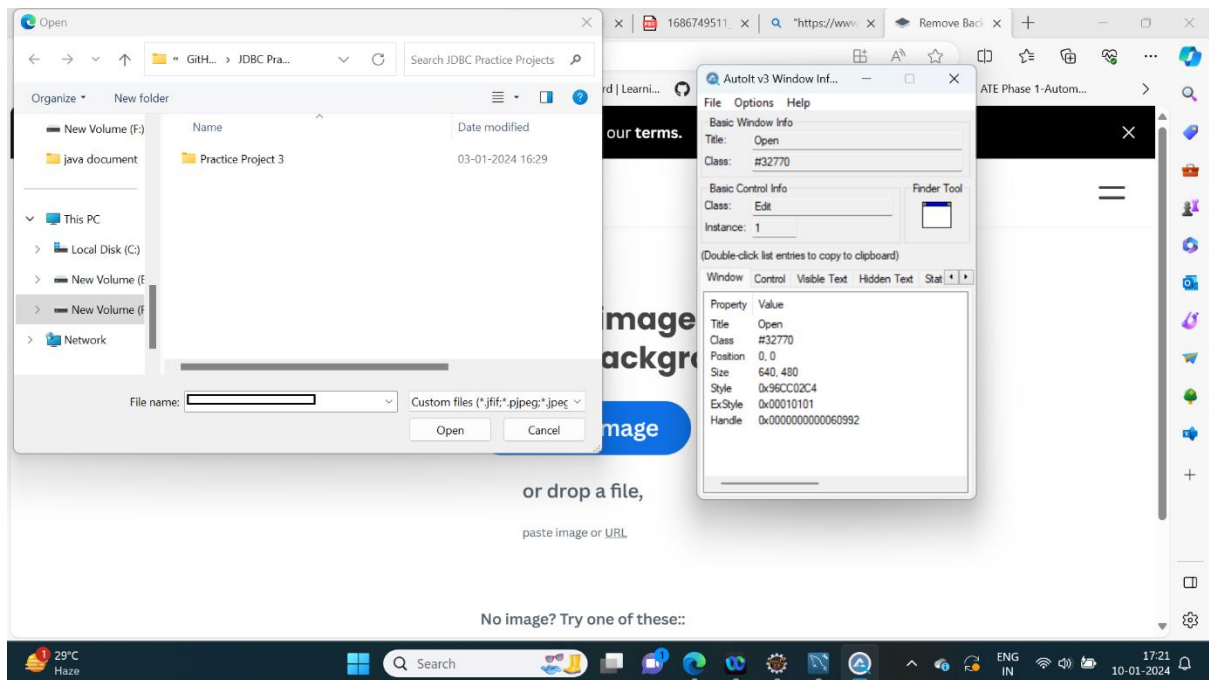
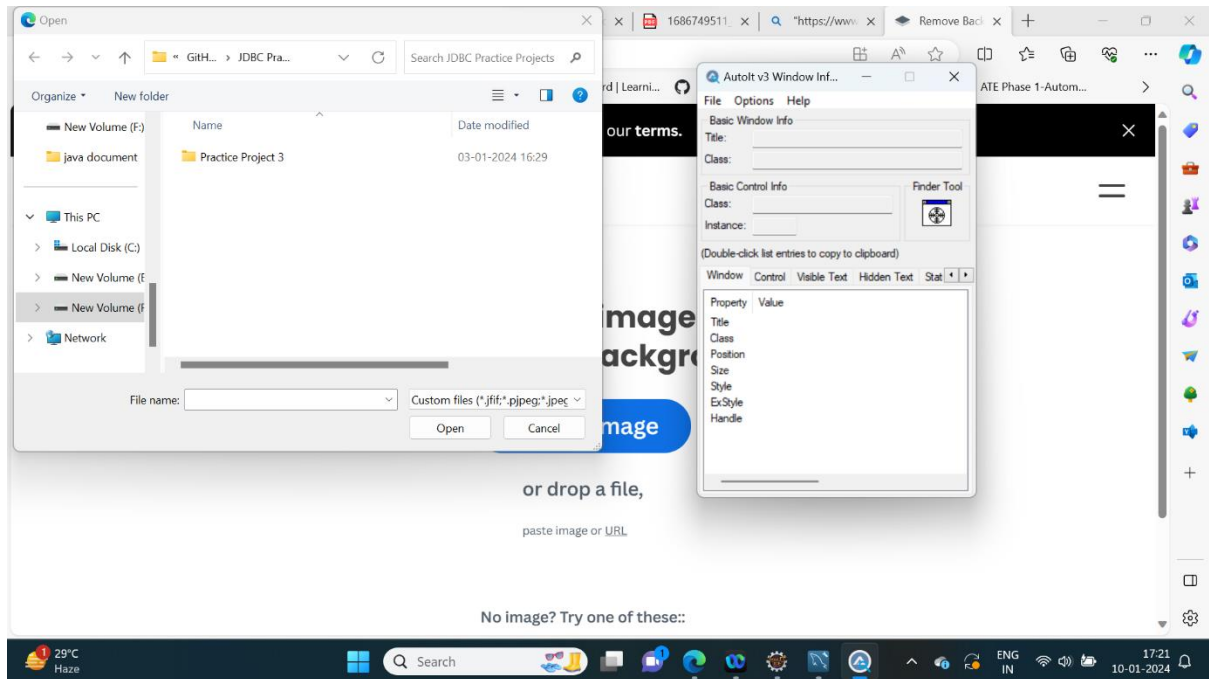


```
1<?xml version="1.0" encoding="UTF-8" ?>
2<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven
3  <modelVersion>4.0.0</modelVersion>
4  <groupId>PracticeProject4</groupId>
5  <artifactId>PracticeProject4</artifactId>
6  <version>0.0.1-SNAPSHOT</version>
7  <dependencies>
8    <dependency>
9      <groupId>org.seleniumhq.selenium</groupId>
10     <artifactId>selenium-java</artifactId>
11     <version>4.11.0</version>
12   </dependency>
13   <!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->
14   <dependency>
15     <groupId>io.github.bonigarcia</groupId>
16     <artifactId>webdrivermanager</artifactId>
17     <version>5.4.1</version>
18   </dependency>
19   <!-- https://mvnrepository.com/artifact/commons-io/commons-io -->
20   <dependency>
21     <groupId>commons-io</groupId>
22     <artifactId>commons-io</artifactId>
23     <version>2.11.0</version>
24   </dependency>
25 </dependencies>
26 </project>
```

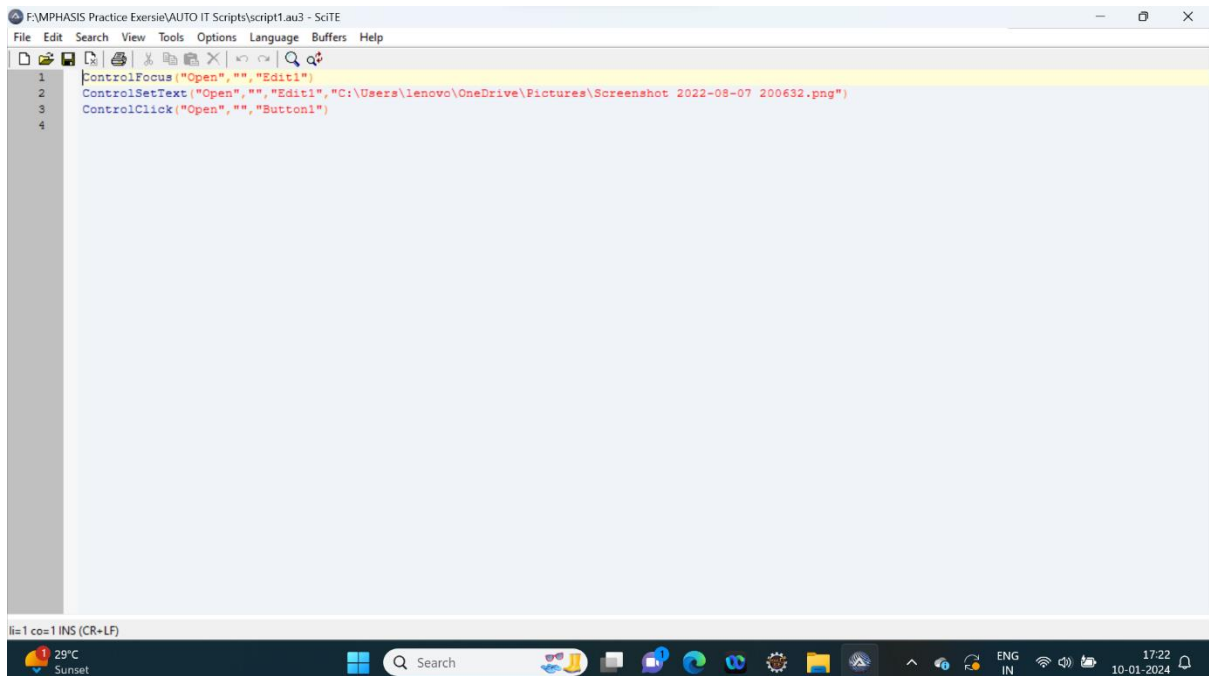
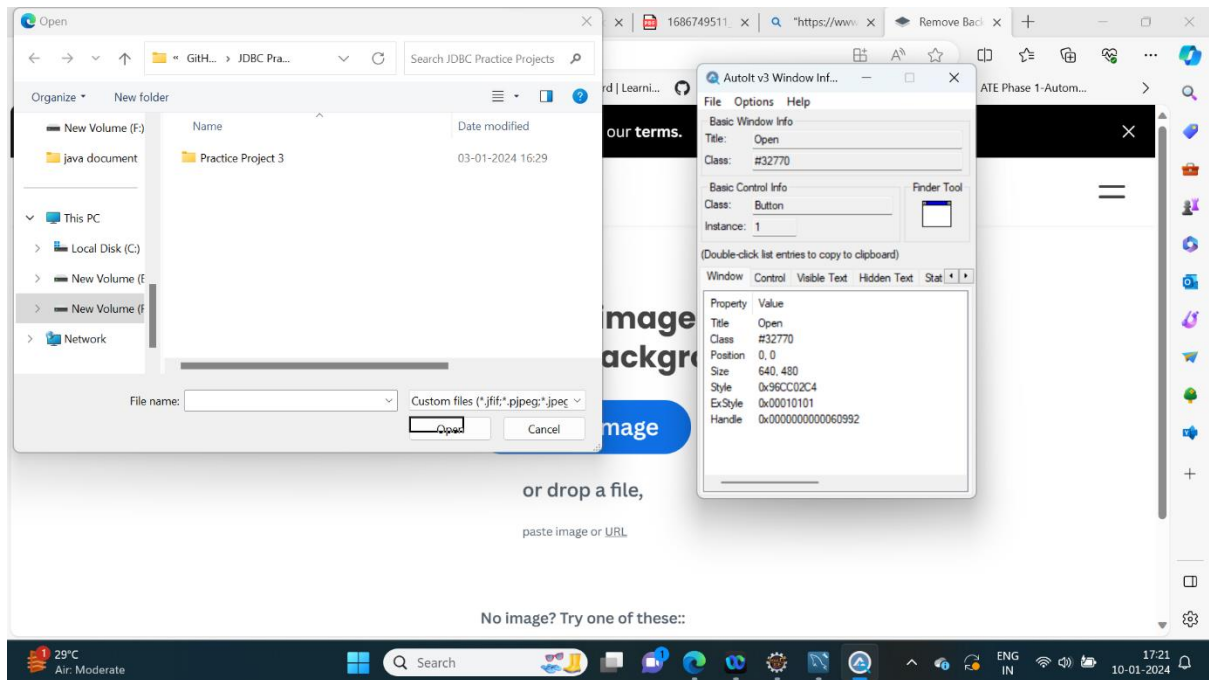
- PracticeProject4
 - src/main/java
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [J2SE-1.5]
 - Maven Dependencies
 - src
 - target
 - pom.xml

Practice Project 4

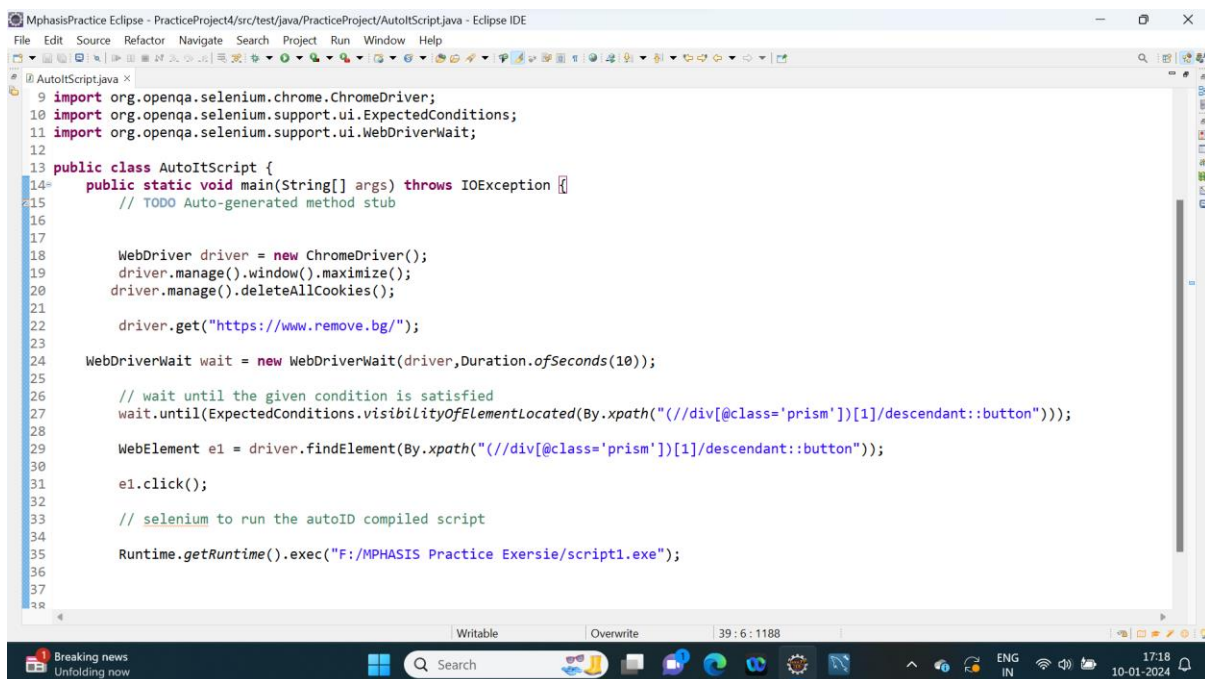
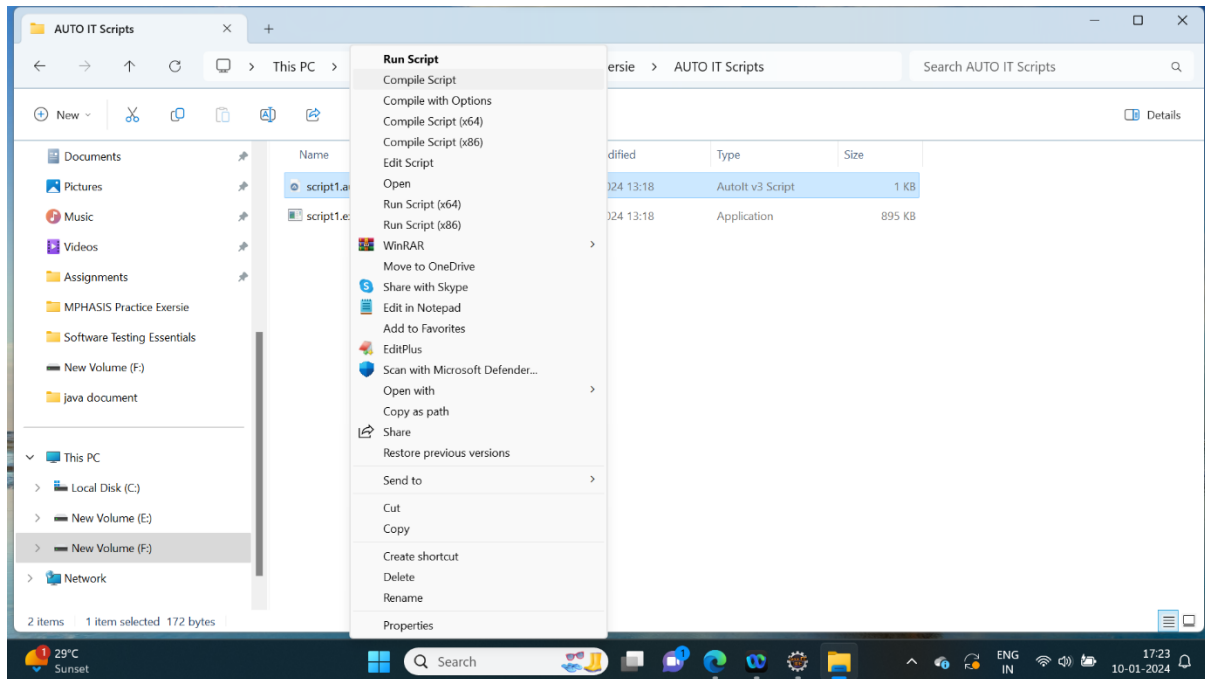
Step 2: Installing Auto It and uploading files through auto it



Practice Project 4



Practice Project 4

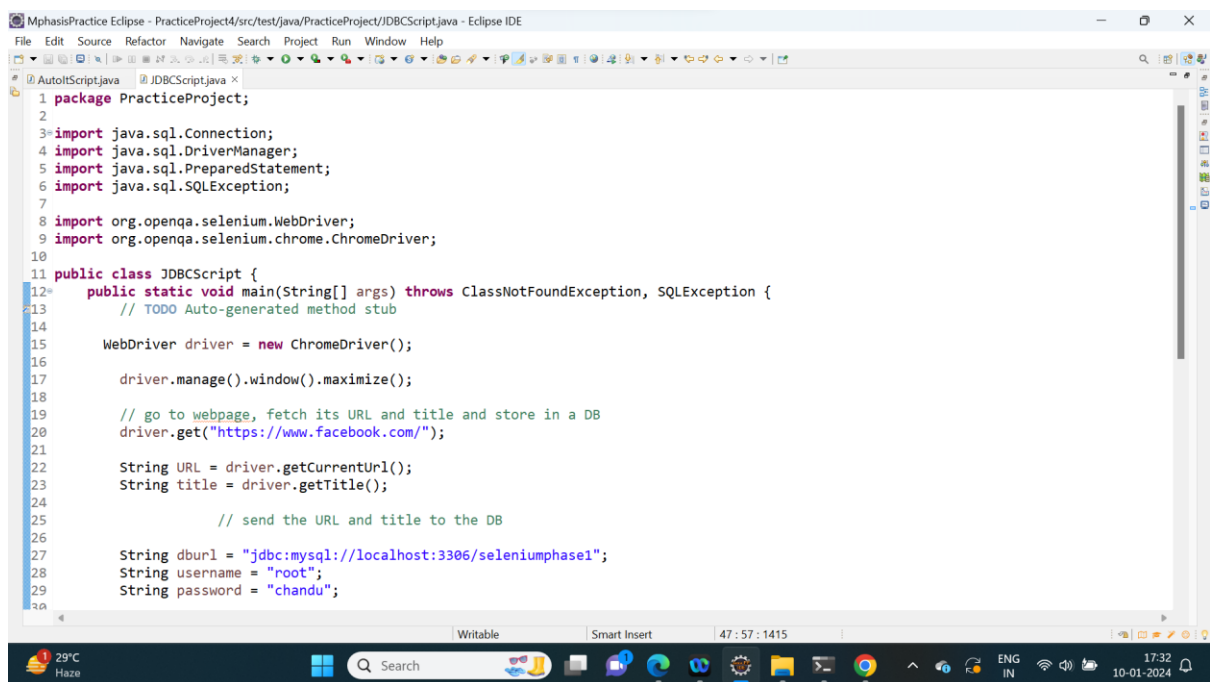


Practice Project 4

Step 3: Create a Class JDBCScript to execute the jdbc operations

```
mysql> create database seleniumphase1;  
Query OK, 1 row affected (0.03 sec)  
  
mysql> use seleniumphase1;  
Database changed
```

```
mysql> create table endproject(  
-> title varchar(100),  
-> url varchar(150));  
Query OK, 0 rows affected (0.07 sec)
```

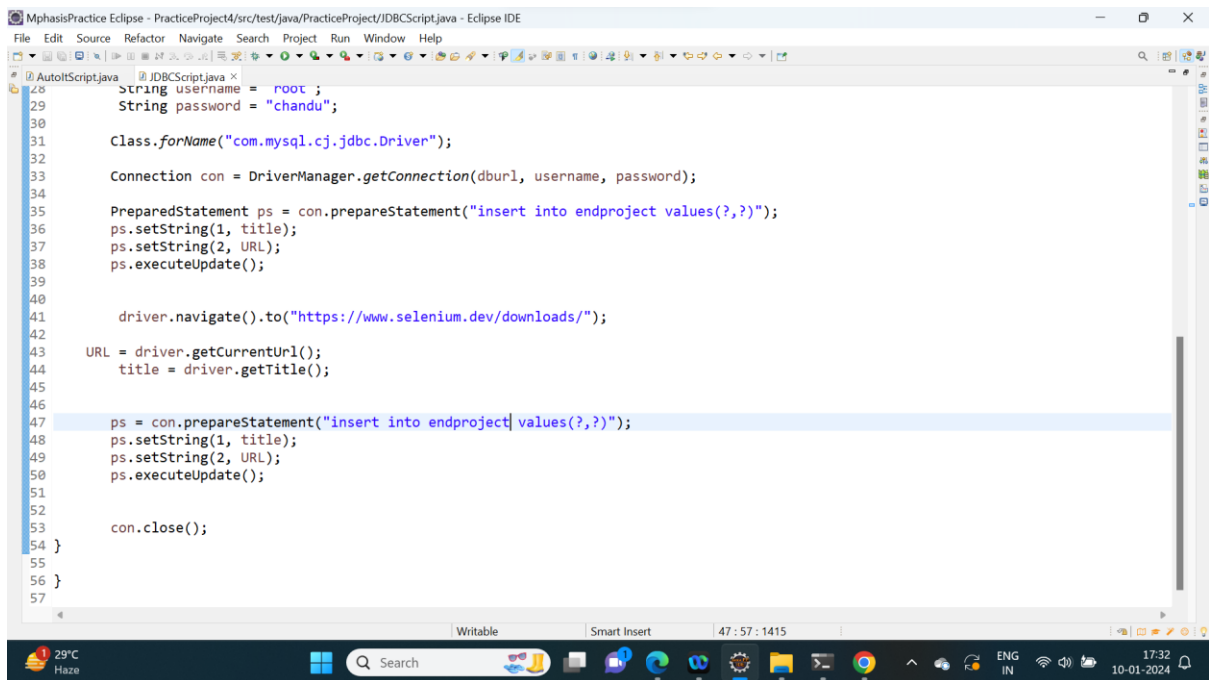


The screenshot shows the Eclipse IDE with the file 'JDBCScript.java' open. The code is as follows:

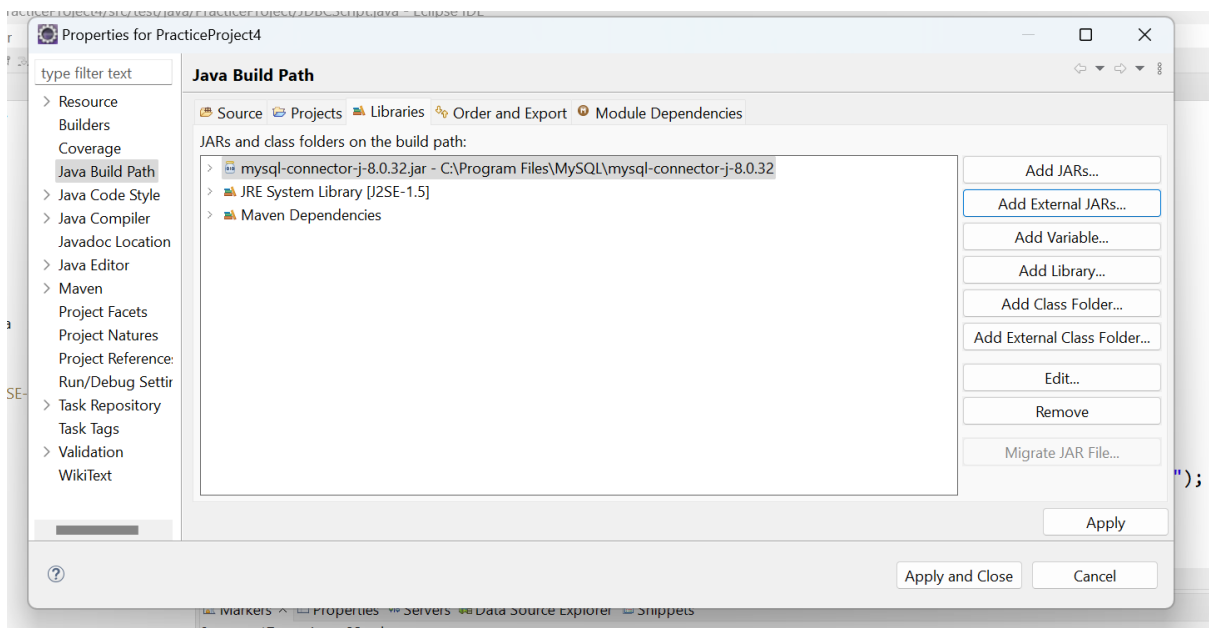
```
1 package PracticeProject;  
2  
3 import java.sql.Connection;  
4 import java.sql.DriverManager;  
5 import java.sql.PreparedStatement;  
6 import java.sql.SQLException;  
7  
8 import org.openqa.selenium.WebDriver;  
9 import org.openqa.selenium.chrome.ChromeDriver;  
10  
11 public class JDBCScript {  
12     public static void main(String[] args) throws ClassNotFoundException, SQLException {  
13         // TODO Auto-generated method stub  
14  
15         WebDriver driver = new ChromeDriver();  
16  
17         driver.manage().window().maximize();  
18  
19         // go to webpage, fetch its URL and title and store in a DB  
20         driver.get("https://www.facebook.com/");  
21  
22         String URL = driver.getCurrentUrl();  
23         String title = driver.getTitle();  
24  
25         // send the URL and title to the DB  
26  
27         String dburl = "jdbc:mysql://localhost:3306/seleniumphase1";  
28         String username = "root";  
29         String password = "chandu";  
30     }  
31 }
```

The IDE interface includes a menu bar (File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, Help), a toolbar, and a status bar at the bottom showing 'Writtable', 'Smart Insert', and the time '47:57:1415'. The Windows taskbar at the very bottom shows the date '10-01-2024' and time '17:32'.

Practice Project 4



```
28 String username = "root";
29 String password = "chandu";
30
31 Class.forName("com.mysql.cj.jdbc.Driver");
32
33 Connection con = DriverManager.getConnection(dburl, username, password);
34
35 PreparedStatement ps = con.prepareStatement("insert into endproject values(?,?)");
36 ps.setString(1, title);
37 ps.setString(2, URL);
38 ps.executeUpdate();
39
40
41 driver.navigate().to("https://www.selenium.dev/downloads/");
42
43 URL = driver.getCurrentUrl();
44 title = driver.getTitle();
45
46
47 ps = con.prepareStatement("insert into endproject values(?,?)");
48 ps.setString(1, title);
49 ps.setString(2, URL);
50 ps.executeUpdate();
51
52
53 con.close();
54 }
55 }
56 }
57
```



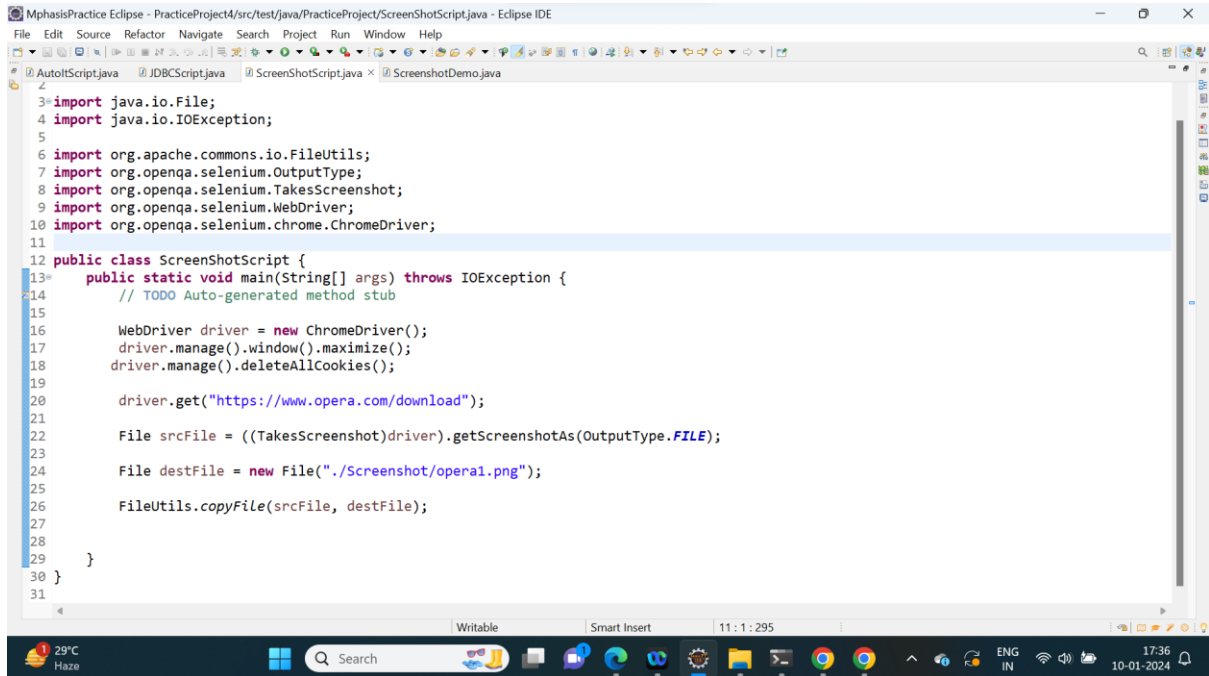
```
mysql> select * from endproject;
```

title	url
Facebook – log in or sign up	https://www.facebook.com/
Downloads Selenium	https://www.selenium.dev/downloads/

2 rows in set (0.00 sec)

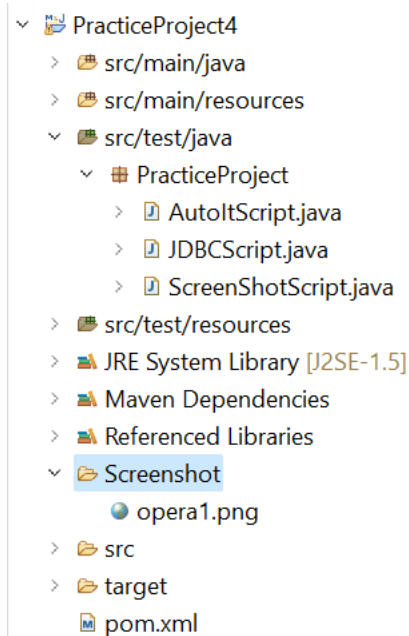
Practice Project 4

Step 4: Create a class to execute screenshot script



The screenshot shows the Eclipse IDE with the file `ScreenShotScript.java` open. The code is as follows:

```
3 import java.io.File;
4 import java.io.IOException;
5
6 import org.apache.commons.io.FileUtils;
7 import org.openqa.selenium.OutputType;
8 import org.openqa.selenium.TakesScreenshot;
9 import org.openqa.selenium.WebDriver;
10 import org.openqa.selenium.chrome.ChromeDriver;
11
12 public class ScreenShotScript {
13     public static void main(String[] args) throws IOException {
14         // TODO Auto-generated method stub
15
16         WebDriver driver = new ChromeDriver();
17         driver.manage().window().maximize();
18         driver.manage().deleteAllCookies();
19
20         driver.get("https://www.opera.com/download");
21
22         File srcFile = ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);
23
24         File destFile = new File("./Screenshot/opera1.png");
25
26         FileUtils.copyFile(srcFile, destFile);
27
28     }
29 }
30
31
```



GitHub Link: [GitHub - chandumj/simplilearnprojects](https://github.com/chandumj/simplilearnprojects)