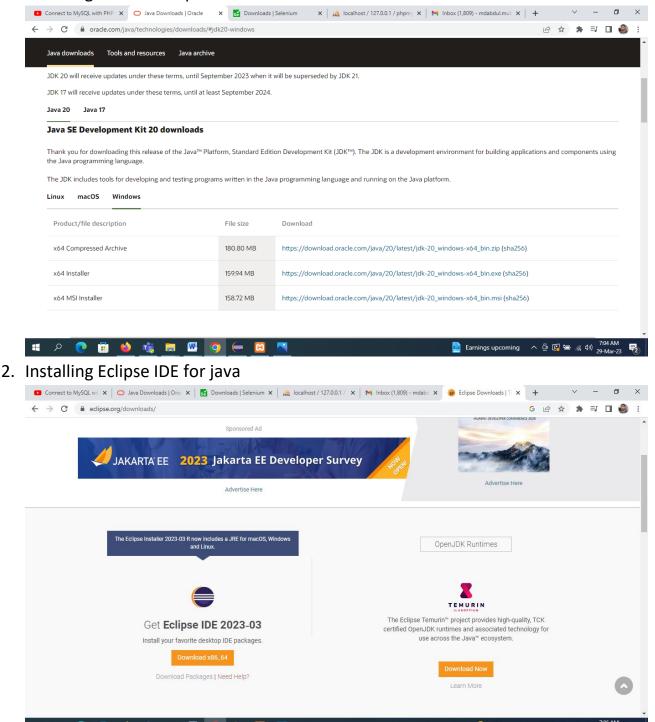
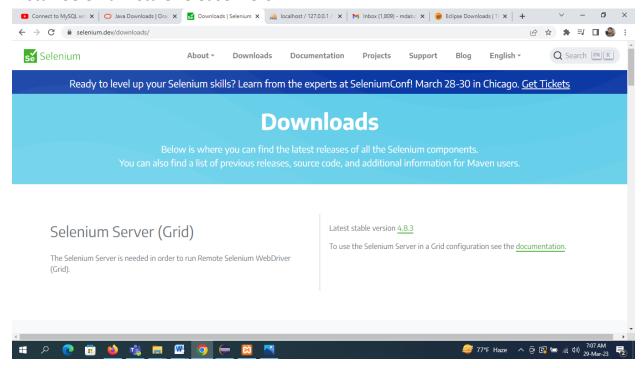
Selenium: it is basically a software testing tool. It is automated and very easy to use. We use it mainly because it is open source and free for all. Before we start our testing process we need to install some tools and environment variables.

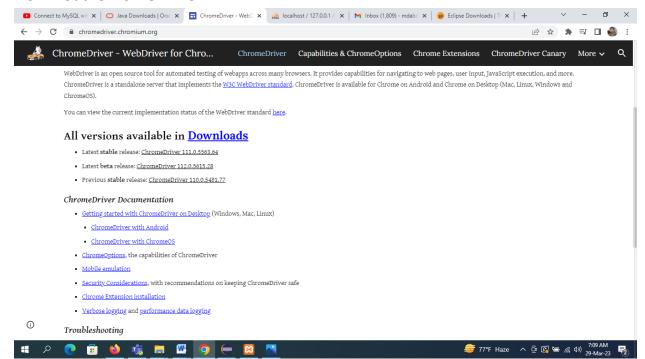
1. Installing Java development kit or JDK.



3. Install Selenium stale release 4.3.0

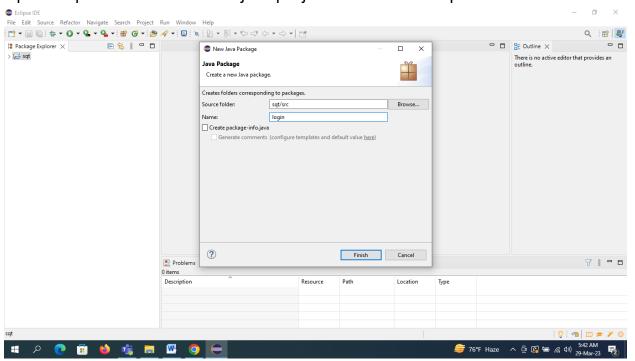


4. Download ChromeDriver

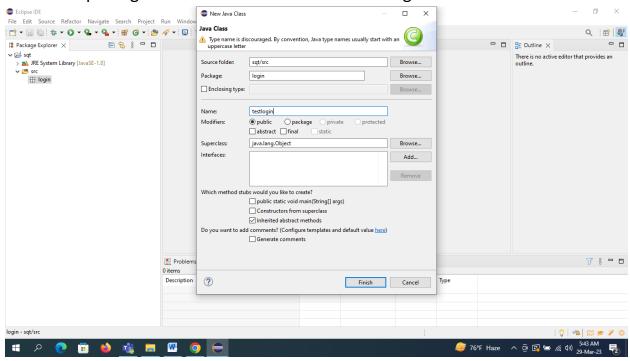


Once the installation is finished, we now need to do the following steps to test a Web application using selenium.

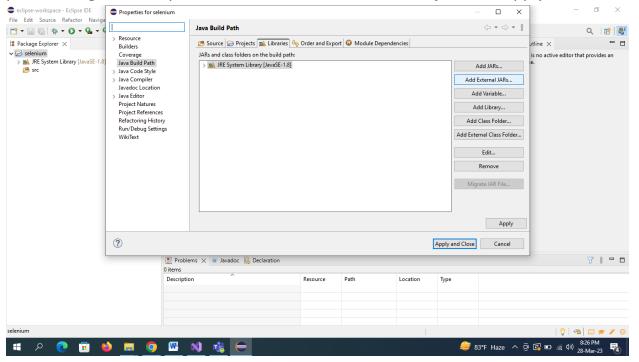
1. Open eclipse and create a new java project and name it "sqt".

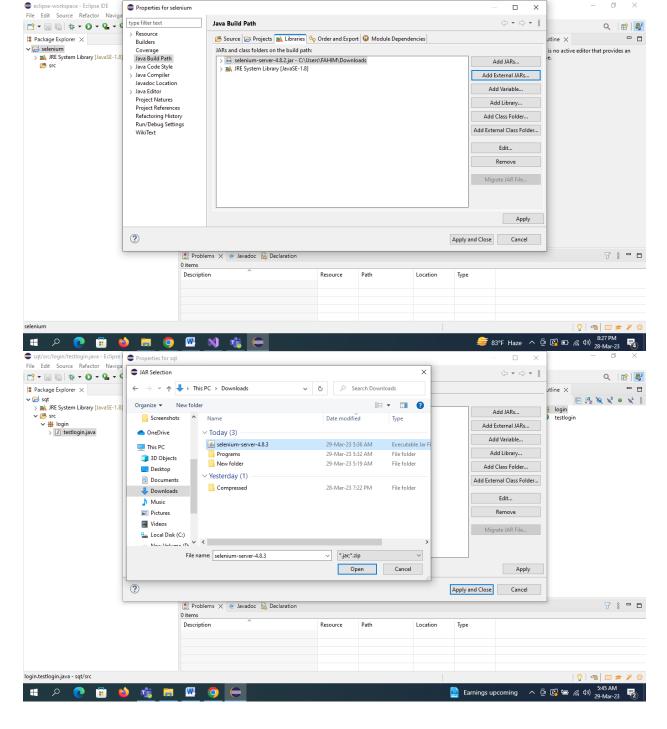


2. Under the package we created a class named "testlogin".



3. Now we have to include the selenium server as .jar file. Build path>configure build path>inside libraries> add external jar files> apply.





4. Inside the MyTestLogin.java file we wrote the following code.

```
package login;
import org.openqa.selenium.By;
```

eclipse-workspace - Eclipse IDE

```
import org.openqa.selenium.WebDriver;
import org.openga.selenium.chrome.ChromeDriver;
public class testlogin {
     public static void main(String[] args) throws
InterruptedException {
     System.setProperty("webdriver.chrome.driver","C:\\Users\\FAH
IM\\Downloads\\Compressed\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
driver.get("http://localhost/Teacher1/View/LoginPage.php");
        driver.manage().window().maximize();
        Thread.sleep(2000);
driver.findElement(By.id("email")).sendKeys("rashid.aloo@gmail.co
m");
        Thread.sleep(5000);
        driver.findElement(By.id("pass")).sendKeys("12345678@");
        Thread.sleep(5000);
        driver.findElement(By.id("login-btn")).click();
        Thread.sleep(5000);
        String at = driver.getTitle();
        String et = "dashboard";
        System.out.println(at);
        driver.close();
        if(at.equalsIgnoreCase(et))
            System.out.println("Test successful");
        }
        else
        {
            System.out.println("Test Failure");
     }
}
```

5. After building and running the code. It loads the website in the chrome window. Then first it enters the email in the email field and password in the password field. After that it presses the login button. After that we are taken into the dashboard.



