

```
//Selenium Program
```

```
/*
```

```
package SeleniumP;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class SeleniumProgram {
```

```
public static void main(String[] args) {
```

```
System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
```

```
WebDriver driver=new ChromeDriver();
```

```
driver.navigate().to("https://www.edubridgeindia.com/login");
```

```
driver.navigate().back();
```

```
driver.navigate().forward();
```

```
driver.navigate().to("https://www.magneticsautomation.in/2022/07/how-to-install-selenium-webdriver-for.html");
```

```
driver.navigate().refresh();
```

```
driver.close();
```

```
}
```

```
}
```

```
*/
```

```
// DragAndDropSelenium
```

```
/*
```

```
package SeleniumP;
```

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

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
import org.openqa.selenium.interactions.Actions;
```

```
public class DragAndDropSelenium {
```

```
public static void main(String[] args) throws InterruptedException {
```

```
System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
```

```
WebDriver driver=new ChromeDriver();
```

```
driver.manage().window().maximize();
```

```
Actions ac= new Actions(driver);
```

```
driver.get("https://jqueryui.com/droppable/");
```

```
driver.switchTo().frame(driver.findElement(By.className("demo-frame")));
```

```

WebElement src = driver.findElement(By.id("draggable"));
WebElement des = driver.findElement(By.id("droppable"));
ac.dragAndDrop(src, des).perform();

}
}

*/

//ExplicitWait
/*
ackage SeleniumP;

import java.time.Duration;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class ExplicitWaitSelenium {

public static void main(String[] args) throws InterruptedException {
System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedr
er_win32\\chromedriver.exe");
WebDriver driver=new ChromeDriver();

driver.get("https://www.google.com/");
driver.manage().window().maximize();

WebDriverWait mywait = new WebDriverWait(driver,Duration.ofSeconds(0));

driver.findElement(By.name("q")).sendKeys("Selenium");
driver.findElement(By.name("q")).sendKeys(Keys.RETURN);

WebElement element=
mywait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=\\\"rso\\\"]/div[
1]/div/div/div/div/div/div/div/div[1]/a/h3")));

    element.click();
}
}
*/

```

```

// Guru99DragAndDrop
/*
package SeleniumP;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;

public class Guru99DragAndDrop {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.manage().window().maximize();
        Actions ac= new Actions(driver);
        driver.get("https://demo.guru99.com/test/drag_drop.html");

        WebElement src=driver.findElement(By.xpath("//*[@id=\"credit2\"]/a"));
        WebElement des= driver.findElement(By.xpath("//*[@id=\"bank\"]/li"));
        ac.dragAndDrop(src, des).build().perform();

        WebElement src1=driver.findElement(By.xpath("//*[@id=\"fourth\"]/a"));
        WebElement des1= driver.findElement(By.xpath("//*[@id=\"amt7\"]/li"));
        ac.dragAndDrop(src1, des1).build().perform();

        WebElement src2=driver.findElement(By.xpath("//*[@id=\"credit1\"]/a"));
        WebElement des2= driver.findElement(By.xpath("//*[@id=\"loan\"]/li"));
        ac.dragAndDrop(src2, des2).build().perform();

        WebElement src3=driver.findElement(By.xpath("//*[@id=\"fourth\"]/a"));
        WebElement des3= driver.findElement(By.xpath("//*[@id=\"amt8\"]/li"));
        ac.dragAndDrop(src3, des3).build().perform();

    }
}
*/

// ImplicitWaitSelenium
/*
package SeleniumP;

import java.time.Duration;

```

```

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class ImplicitWaitSelenium {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("https://www.google.com/");
        driver.manage().window().maximize();

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(0));
        driver.findElement(By.name("q")).sendKeys("Selenium");
        driver.findElement(By.name("q")).sendKeys(Keys.RETURN);

        driver.findElement(By.xpath("//*[@id=\"rso\"]/div[1]/div/div/div/div/div/div/div/div[1]/a/h3"))
        .click();

    }
}

*/

// ListWebElement

/*
package SeleniumP;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class ListWebElement {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();

```

```
driver.get("https://selenium08.blogspot.com/2019/11/dropdown.html");
```

```
Thread.sleep(1100);
```

```
WebElement ddown = driver.findElement(By.name("country"));
```

```
Select select = new Select(ddown);
```

```
select.selectByValue("IN");
```

```
List<WebElement> list=select.getOptions();
```

```
System.out.println("The dropdown list is: ");
```

```
for(WebElement opt: list)
```

```
System.out.println(opt.getText());
```

```
}
```

```
}
```

```
*/
```

```
// Basic Program
```

```
/*
```

```
package SeleniumP;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class ProgramOne {
```

```
public static void main(String[] args) {
```

```
System.setProperty("webdriver.chrome.driver",
```

```
"C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
```

```
WebDriver driver=new ChromeDriver();
```

```
driver.get("www.amazon.in");
```

```
}
```

```
}
```

```
*/
```

```
// Radio_Button
```

```
/*
```

```
package SeleniumP;
```

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Radio_Button {

    public static void main(String[] args) throws InterruptedException {

        System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("https://materializecss.com/radio-buttons.html");
        Thread.sleep(1100);

        //driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Mobile");
        driver.findElement(By.xpath("//*[@id=\"radio\"]//form/p[2]/label/span")).click();
    }

}

*/

//Select DropDown

/* package SeleniumP;

```

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class SelectDropDown {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();

        driver.get("https://selenium08.blogspot.com/2019/11/dropdown.html");

        Thread.sleep(1100);
    }
}

```

```
WebElement ddown = driver.findElement(By.name("country"));
```

```
Select select = new Select(ddown);  
//select.selectByValue("IN");  
//select.selectByVisibleText("Guatemala");  
select.selectByValue("HK");
```

```
}  
} */
```

```
//SeleniumWebDriver  
/*  
package SeleniumP;
```

```
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class SeleniumWebDriver {
```

```
public static void main(String[] args) throws InterruptedException {  
System.setProperty("webdriver.chrome.driver", "C:\\Users\\ClasSiC\\Downloads\\chromedr  
iver_win32\\chromedriver.exe");  
WebDriver driver=new ChromeDriver();
```

```
//id  
driver.get("https://login.yl;kkk; l,,kahoo.com/? .intl=in");  
Thread.sleep(2000);  
//driver.findElement(By.id("login-username")).sendKeys("Tejaswini@yahoo.com");  
//driver.findElement(By.id("login-signin")).click();
```

```
//cssSelector
```

```
WebElement a=driver.findElement(By.cssSelector("#login-username"));  
a.sendKeys("Teju@yahoo.com");  
driver.findElement(By.cssSelector("#login-signin")).click();
```

```
//linkText: only for links
```

```
//driver.findElement(By.linkText("Forgotten username?")).click();
```

```
//partiallylinkText: only for links but not recommended
```

```
//driver.findElement(By.partialLinkText("Forgotten")).click();
```

```
//Name
//driver.findElement(By.name("username")).sendKeys("Kokane@yahoo.com");
//driver.findElement(By.name("signin")).click();

//className

//driver.findElement(By.className("phone-no")).sendKeys("Test@yahoo.com");
```

```
/*driver.manage().window().maximize();
String title=driver.getTitle();
System.out.println("The title of page is "+title);

driver.navigate().to("https://www.edubridgeindia.com/login");
String title2 =driver.getTitle();
System.out.println("The title of page is "+title2);
Thread.sleep(2000);
driver.navigate().back();
Thread.sleep(1000);*/
//driver.close();
}
```

```
}
```

```
*/
```

```
// SeleniumProgram
/*
package SeleniumP;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class SeleniumProgram {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
```



```

WebDriver driver=new ChromeDriver();
driver.navigate().to("https://www.edubridgeindia.com/login");
driver.navigate().back();
driver.navigate().forward();
driver.navigate().to("https://www.magneticautomation.in/2022/07/how-to-install-selenium-web
driver-for.html");
driver.navigate().refresh();
driver.close();
}
}

```

```

*/

```

```

// UploadFileSelenium

```

```

/*

```

```

package SeleniumP;

```

```

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

```

```

public class UploadFileSelenium {
public static void main(String[] args) throws InterruptedException {
System.setProperty("webdriver.chrome.driver","C:\\Users\\ClasSiC\\Downloads\\chromedr
iver_win32\\chromedriver.exe");
WebDriver driver=new ChromeDriver();

```

```

//driver.get("http://omayo.blogspot.com/");

```

```

//Thread.sleep(1100);
//driver.findElement(By.id("uploadfile")).sendKeys("C:\\Users\\ClasSiC\\Downloads\\selenium
image.jpg");

```

```

/*driver.get("https://www.foundit.in/");
driver.manage().window().maximize();

```

```

driver.findElement(By.xpath("//*[@id=\"heroSection-container\"]/div[3]/div[2]")).click();
driver.findElement(By.xpath("//*[@id=\"file-upload\"]")).sendKeys("C:\\Users\\ClaSSiC\\Downloads\\dummy.pdf");
*/

```

```

driver.get("https://www.foundit.in/");
driver.findElement(By.xpath("//*[@id=\"heroSection-container\"]/div[3]/div[2]")).click();
driver.findElement(By.xpath("//*[@id=\"file-upload\"]")).click();

```

```

}
}

```

```

*/

```

```

//X-Path

```

```

/*

```

```

package SeleniumP;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;

```

```

import org.openqa.selenium.chrome.ChromeDriver;

```

```

public class x_Path {

```

```

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver","C:\\Users\\ClaSSiC\\Downloads\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
    }

```

```

    driver.get("https://www.amazon.in/");
    Thread.sleep(1100);
}
}

```

```
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Mobile");
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
```

```
//driver.findElement(By.id("login_mobile")).sendKeys("8928012020");
//driver.findElement(By.id("login_password")).sendKeys("P@ssw0rda");
//driver.findElement(By.id("btnLoginSubmit")).click();
//driver.findElement(By.xpath("//*[@id=\"ajax-content\"]/section/div/div[1]/div[2]/div/div[1]/div[2]/a/svg")).click();
```

```
//driver.findElement(By.xpath("//*[@id=\"coursesGridData\"]/div/div/div[2]/div/div/div[2]/div[2]/a")).click();
```

```
//driver.findElement(By.className("cursor bd-placeholder-img card-img-top img-fluid zybrtop")).click();
```

```
//driver.findElement(By.xpath("//*[@id=\"myListView21671515235\"]/tbody/tr[3]/th/div/div[2]"))
.click();
}
```

```
*/
```

Cucumber
LoginSteps.java

```
/*package StepDefinitions;
```

```
import io.cucumber.java.en.And;
import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;
```

```
public class LoginSteps {
```

```

    @Given("user is on login page")
    public void user_is_on_login_page() {
        System.out.println("Inside Step-user is on login page");
    }

    @When("user enters username and password")
    public void user_enters_username_and_password() {
        System.out.println("Inside Step-user enters username and password");
    }

    @And("clicks on login button")
    public void clicks_on_login_button() {
        System.out.println("Inside Step-clicks on login button");
    }

    @Then("user is navigated to the home page")
    public void user_is_navigated_to_the_home_page() {
        System.out.println("Inside Step-user is navigated to home page");
    }
}

```

```

}*/

```

TestRunner.Java

```

/*

```

```

package StepDefinitions;

```

```

import org.junit.runner.RunWith;

```

```

import io.cucumber.junit.CucumberOptions;

```

```

import io.cucumber.junit.Cucumber;

```

```

@RunWith(Cucumber.class)

```

```

@CucumberOptions(features="src/test/resources/Features", glue= {"StepDefinitions"},

```

```

    monochrome= true,

```

```

    plugin={"pretty", "html:target/HtmlReports"}

```

```

    )

```

```

public class TestRunner {

```

```

}

```

```

*/

```

Login.feature

```

/*

```

```

#Author

```

```

#Date

```

#Description

Feature: feature to test login functionality

Scenario: Check login is successful with valid credentials

Given user is on login page

When user enters username and password

And clicks on login button

Then user is navigated to the home page

*/

Pom.xml

/*

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>CucumberJava</groupId>
  <artifactId>CucumberJava</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <dependencies>

    <!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
    <dependency>
      <groupId>io.cucumber</groupId>
      <artifactId>cucumber-java</artifactId>
      <version>7.9.0</version>
    </dependency>

    <!-- https://mvnrepository.com/artifact/junit/junit -->
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.13.2</version>
      <scope>test</scope>
    </dependency>

    <!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-junit -->
    <dependency>
```

```
<groupId>io.cucumber</groupId>  
<artifactId>cucumber-junit</artifactId>  
<version>7.10.1</version>  
<scope>test</scope>  
</dependency>
```

```
</dependencies>  
</project>  
*/
```