JAT Task 9

1. Write a Selenium script that opens the Firefox browser, maximizes the browser window, navigates to "http://google.com", prints the URL of the current page, reloads the page, and closes the browser.

package Assignment9;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class question1 {

static WebDriver *driver*;

public static void main(String[] args) {

System.*setProperty*("webdriver.gecko.driver","D:\\Selenium\_browsers\\geckodriver.exe");

*driver* = new FirefoxDriver();

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

System.***out***.println("Window Maximized");

*driver*.get("http://google.com");

System.***out***.println("Current URL: " + *driver*.getCurrentUrl());

*driver*.navigate().refresh();

System.***out***.println("Page Refreshed");

*driver*.close();

*driver*.quit();

}

}

Output:

Window Maximized

Current URL: https://www.google.com/?gws\_rd=ssl

Page Refreshed

2. Write a Selenium script that opens the Chrome browser, navigates to"https://www.demoblaze.com/", maximizes the browser window, verifies if the title of the page is "STORE", and prints "Page landed on correct website" if the title matches, else prints "Page not landed on correct website".

package Assignment9;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class question2 {

static WebDriver *driver*;

public static void main(String[] args) {

*launchChrome*();

*getURL*("https://www.demoblaze.com/");

*maximize*();

*getTitle*();

*close*();

*quitWindow*();

}

public static void launchChrome() {

System.*setProperty*("webdriver.chrome.driver", "D:\\Selenium\_browsers\\chromedriver-win64\\chromedriver.exe");

*driver* = new ChromeDriver();

}

public static void getURL(String url) {

*driver*.get(url);

System.***out***.println("Website is launched");

}

public static void getTitle() {

String pageTitle = *driver*.getTitle();

System.***out***.println("Title of the page is " + pageTitle);

if (pageTitle.equals("STORE")) {

System.***out***.println("Page landed on correct website");

} else {

System.***out***.println("Page not landed on correct website");

}

}

public static void maximize() {

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

System.***out***.println("Window Maximized");

}

public static void close() {

*driver*.close();

System.***out***.println("Window Closed");

}

public static void quitWindow() {

*driver*.quit();

}

}

Output:

Website is launched

Window Maximized

Title of the page is STORE

Page landed on correct website

Window Closed

3. Write a Selenium script that opens the chrome browser, navigates to"https://www.wikipedia.org/", maximizes the browser window, searches for the query "Artificial Intelligence", clicks on the "History" section in the search results, and prints the title of the section.

package Assignment9;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.WebElement;

public class question3 {

public static void main(String[] args) {

System.*setProperty*("webdriver.chrome.driver", "D:\\Selenium\_browsers\\chromedriver-win64\\chromedriver.exe");

WebDriver driver = new ChromeDriver();

try {

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

driver.get("https://www.wikipedia.org/");

System.***out***.println("Wikipedia opened");

WebElement searchBox = driver.findElement(By.*id*("searchInput"));

searchBox.sendKeys("Artificial Intelligence");

searchBox.sendKeys(*Keys*.***ENTER***);

System.***out***.println("Search results displayed");

Thread.*sleep*(2000);

WebElement historyLink = driver.findElement(By.*linkText*("History"));

historyLink.click();

WebElement historySection = driver.findElement(By.*id*("History")); // The ID of the "History" section on the page

String sectionContent = historySection.getText();

System.***out***.println("History Section Content: " + sectionContent);

} catch (Exception e) {

e.printStackTrace();

} finally {

driver.quit();

}

}

}

Output:

Wikipedia opened

Search results displayed

History Section Content: History