**Selenium Locators**

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

|  |
| --- |
| // Task 1: Selenium script to open Firefox, navigate to Google, print URL, reload, and close  // Set the path to your GeckoDriver executable (replace with actual path)  //System.setProperty("webdriver.gecko.driver", "C:/Program Files/Mozilla Firefox/firefox.exe");  WebDriver driver1 = **new** FirefoxDriver();  Thread.*sleep*(2000);  driver1.manage().window().maximize();  driver1.get("http://google.com");  System.***out***.println("Current URL: " + driver1.getCurrentUrl());  driver1.navigate().refresh();  driver1.quit(); |

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”.

|  |
| --- |
| // Task 2: Selenium script to open Chrome, navigate to DemoBlaze, verify title, and print result  WebDriver driver2 = **new** ChromeDriver();  driver2.manage().window().maximize();  driver2.get("https://www.demoblaze.com/");  String title = driver2.getTitle();  Thread.*sleep*(2000);  System.***out***.println(title);  **if** (title.equals("STORE")) {  System.***out***.println("Page landed on correct website");  } **else** {  System.***out***.println("Page not landed on correct website");  }  driver2.quit(); |

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

|  |
| --- |
| // Task 3: Selenium script to open Chrome, navigate to Wikipedia, search for Artificial Intelligence, click on History section, and print title  WebDriver driver3 = **new** ChromeDriver();  driver3.manage().window().maximize();  driver3.get("https://www.wikipedia.org/");  Thread.*sleep*(2000);  WebElement searchInput = driver3.findElement(By.*id*("searchInput"));  searchInput.sendKeys("Artificial Intelligence");  searchInput.submit();  Thread.*sleep*(2000);  WebElement historyLink = driver3.findElement(By.*id*("ca-history"));  historyLink.click();  Thread.*sleep*(2000);  System.***out***.println("Title of the section: " + driver3.getTitle());  driver3.quit(); |

JAVA Code:-

|  |
| --- |
| **package** com.guvi.general;  **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.firefox.FirefoxDriver;  **public** **class** SeleniumExamples {  **public** **static** **void** main(String[] args)**throws** InterruptedException {  // Task 1: Selenium script to open Firefox, navigate to Google, print URL, reload, and close  // Set the path to your GeckoDriver executable (replace with actual path)  //System.setProperty("webdriver.gecko.driver", "C:/Program Files/Mozilla Firefox/firefox.exe");  WebDriver driver1 = **new** FirefoxDriver();  Thread.*sleep*(2000);  driver1.manage().window().maximize();  driver1.get("http://google.com");  System.***out***.println("Current URL: " + driver1.getCurrentUrl());  driver1.navigate().refresh();  driver1.quit();  // Task 2: Selenium script to open Chrome, navigate to DemoBlaze, verify title, and print result  WebDriver driver2 = **new** ChromeDriver();  driver2.manage().window().maximize();  driver2.get("https://www.demoblaze.com/");  String title = driver2.getTitle();  Thread.*sleep*(2000);  System.***out***.println(title);  **if** (title.equals("STORE")) {  System.***out***.println("Page landed on correct website");  } **else** {  System.***out***.println("Page not landed on correct website");  }  driver2.quit();  // Task 3: Selenium script to open Chrome, navigate to Wikipedia, search for Artificial Intelligence, click on History section, and print title  WebDriver driver3 = **new** ChromeDriver();  driver3.manage().window().maximize();  driver3.get("https://www.wikipedia.org/");  Thread.*sleep*(2000);  WebElement searchInput = driver3.findElement(By.*id*("searchInput"));  searchInput.sendKeys("Artificial Intelligence");  searchInput.submit();  Thread.*sleep*(2000);  WebElement historyLink = driver3.findElement(By.*id*("ca-history"));  historyLink.click();  Thread.*sleep*(2000);  System.***out***.println("Title of the section: " + driver3.getTitle());  driver3.quit();  }  } |

Output:-

