**First Code in Selenium:**

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

**import** org.openqa.selenium.WebDriver;

**public** **class** MytestingClass {

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

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

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

}

}

**Check Different browsers:**

**import** org.openqa.selenium.WebDriver;

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

**import** org.openqa.selenium.edge.EdgeDriver;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** CheckallBrowsers {

**static** String *browser*;

**static** WebDriver *driver*;

**public** **static** **void** setBrowser()

{

*browser* = "Chrome";

}

**public** **static** **void** setBrowserConfig()

{

**if**(*browser*.equals("Edge"))

{

//Instantiating driver object and launching browser

// Start Edge Session

*driver* = **new** EdgeDriver();

System.***out***.println("Edge browser opened");

}

**if**(*browser*.equals("Chrome"))

{

//Instantiating driver object and launching browser

*driver* = **new** ChromeDriver();

System.***out***.println("Chrome browser opened");

}

**if**(*browser*.equals("Firefox"))

{

//Instantiating driver object and launching browser

*driver* = **new** FirefoxDriver();

System.***out***.println("Firefox browser opened");

}

}

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

*setBrowser*();

*setBrowserConfig*();

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

*driver*.close();

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

}

}

**Find Elements method - example:**

**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;

**public** **class** GetAllLinks {

**static** WebDriver *driver*;

**static** **int** *count*;

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

String url = "https://www.google.com/";

//Instantiating driver object and launching browser

*driver* = **new** ChromeDriver();

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

//Using get() method to open a web page

*driver*.get(url);

//Get list of web-elements with tagName - a

List<WebElement> allLinks = *driver*.findElements(By.*tagName*("a"));

//Traversing through the list and printing its text along with link address

**for**(WebElement link:allLinks){

System.***out***.println(link.getText() + " - " + link.getAttribute("href"));

*count*++;

}

System.***out***.println("Total number of links in the webpage: "+ *count*);

*driver*.quit();

}

}

**Navigation commands:**

**import** java.time.Duration;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

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

**public** **class** Navigation {

**static** String *urlValue*;

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

// Create a new instance of the ChromeDriver

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

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

// Open cleartrip web site

String appUrl = "https://www.cleartrip.com/";

driver.navigate().to(appUrl);

// Wait For Page To Load

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

driver.findElement(By.*xpath*("//div[@class='pt-6 pb-6 flex flex-top flex-between ']/div[2]")).click();

// Click on Bus link

driver.findElement(By.*xpath*("//div[@class='mt-2 mb-2 d-block fs-6']/ul[@class='ls-reset']/li[3]/a")).click();

// Wait For Page To Load

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

// Go back to Home Page

driver.navigate().back();

*urlValue* =driver.getCurrentUrl();

System.***out***.println(*urlValue*);

// Go forward to Bus page

driver.navigate().forward();

*urlValue* =driver.getCurrentUrl();

System.***out***.println(*urlValue*);

// Refresh browser

driver.navigate().refresh();

// Close browser

driver.close();

}

}

**Driver commands:**

**import** java.time.Duration;

**import** org.openqa.selenium.WebDriver;

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

**public** **class** WebdriverCommands {

**static** WebDriver *driver*;

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

String url = "https://www.cleartrip.com/";

//Instantiating driver object and launching browser

*driver* = **new** ChromeDriver();

//Using get() method to open a web page

*driver*.get(url);

*driver*.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(20));

//to get the Title of the Web page

String title = *driver*.getTitle();

System.***out***.println(title);

//to get the string representing the Current URL

String CurrentUrl = *driver*.getCurrentUrl();

System.***out***.println(CurrentUrl);

//to read the page source of the WebPage

String PageSource = *driver*.getPageSource();

//System.out.println(PageSource);

//to close the current window in Browser

*driver*.close();

//Closing the browser

*driver*.quit();

}

}