

2. Write a script to perform actions on a web browser [Min Max]

```
package demo1;

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

public class first {
    public static void main(String[] args) throws InterruptedException
    {
        //sets the system property indicated by the specified key
        System.setProperty("webdriver.chrome.driver", "C:/Software Testing/chromedriver_win32
(1)/chromedriver.exe");
        //creating an instance of the WebDriver interface and casting it to ChromeDriver Class.
        WebDriver driver = new ChromeDriver();
        //Open Google application using given URL and waits till the page gets loaded
        driver.get("https://www.google.com/");
        //pause the execution of the current thread for 2 seconds
        Thread.sleep(2000);
        //Resize current window to the set dimension
        driver.manage().window().maximize();
        //navigates from google to facebook login page. It will not wait till the whole page gets loaded
        driver.navigate().to("https://www.facebook.com/login/");
        //navigate back to previous page
        driver.navigate().back();
        //refreshes the webpage
        driver.navigate().refresh();
        //Get the title of the page
        String title=driver.getTitle();
        System.out.println(title);
        //Get the Current URL link of the page on the console
        System.out.println(driver.getCurrentUrl());
        //Close the browser
        driver.close();
    }
}
```

3. Write a script for changing the position of browser & also change the dimensions of browser

```
package demo1;

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

public class changeposition {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        System.setProperty("webdriver.chrome.driver", "C://Software
Testing//chromedriver_win32 (1)//chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://www.google.com/");
        driver.manage().window().maximize();
        //Point Class sets Window Position from Top Left Corner of Screen
        Point P=new Point(100,100);
        //Minimize the current window to the set position
        driver.manage().window().setPosition(P);
        driver.navigate().back();
        //Dimension Class Set the Width and Height of your Browser Window
        Dimension d=new Dimension(400,200);
        //set the new size of the browser window
        driver.manage().window().setSize(d);
        driver.close();
    }
}
```

4. Write a script to print the title and current URL of the webpage?

```
package demo1;

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

public class first {
    public static void main(String[] args) throws InterruptedException
    {
        System.setProperty("webdriver.chrome.driver", "C:/Software
Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.google.com/");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        String title=driver.getTitle();
        System.out.println(title);
        System.out.println(driver.getCurrentUrl());
        driver.close();
    }
}
```

5. Write a script for handling the web elements available on google URL

```
package demo1;

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

public class Googleurl {

    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Software
Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("https://www.google.com/");
        driver.manage().window().maximize();
        driver.findElement(By.linkText("Gmail")).click();
        driver.navigate().back();
        driver.findElement(By.linkText("Images")).click();
        driver.navigate().back();
        driver.findElement(By.name("q")).sendKeys("123");
        driver.close();
    }

}
```

6. Write a script for simple login to Facebook

```
package demo1;

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

public class loginfb {
    public static void main(String[] args) throws InterruptedException{
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "C:/Software
Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("https://www.facebook.com/");
        driver.manage().window().maximize();
        driver.findElement(By.name("email")).sendKeys("tejasshinde028@gmail.com");
        driver.findElement(By.name("pass")).sendKeys("tejasshinde2803");
        driver.findElement(By.name("login")).click();
    }
}
```

7. Write a script for Facebook signup

```
package demo1;

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

public class signupfb2 {

    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "C:/Software
Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://en-gb.facebook.com/signup");
        driver.manage().window().maximize();
        driver.findElement(By.name("firstname")).sendKeys("Fatema");
        driver.findElement(By.name("lastname")).sendKeys("Baramatiwala");

        driver.findElement(By.name("reg_email__")).sendKeys("fyb30913177@gmail.com");
        driver.findElement(By.name("reg_passwd__")).sendKeys("password");
        driver.findElement(By.id("day")).sendKeys("03");
        driver.findElement(By.id("month")).sendKeys("01");
        driver.findElement(By.id("year")).sendKeys("2004");
        driver.findElement(By.xpath("//input[ @value='2']")).click();

        driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/div[2]/div/div[2]/div/div/div[1]/f
orm/div[1]/div[11]/button")).click();
        //driver.findElement(By.xpath("//button[contains(@class, '_6j mvm _6wk
_6wl _58mi _3ma _6o _6v')]")).click();

        driver.close();
    }
}
```


8. Write a script to fill submit the contact form [Datta Kala Institute]

```
package demo1;

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

public class contactform {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "C:/Software
Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("https://www.dattakala.edu.in/contact.html");
        driver.manage().window().maximize();
        driver.findElement(By.name("full_name")).sendKeys("fatema");
        driver.findElement(By.name("email")).sendKeys("fyb30913177@gmail.com");
        driver.findElement(By.name("telephone")).sendKeys("8623816786");
        driver.findElement(By.name("subject")).sendKeys("ST");
        driver.findElement(By.name("comments")).sendKeys("hii welcome");
        driver.findElement(By.className("wpcf7-submit")).click();
    }
}
```


9. Write a script to print no of links and URL [text of URL] of a link on a web page

```
package demo1;

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 totallinks {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "/C:/Software
Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.google.com/");
        driver.manage().window().maximize();
        Thread.sleep(2000);
        List <WebElement> abc = driver.findElements(By.tagName("a"));
        int num = abc.size();
        System.out.println(num);
        for(int i=0; i<=num-1; i++) {
            String c = abc.get(i).getText();
            Thread.sleep(1000);
            System.out.println(c);
        }
        driver.close();
    }
}
```

10. Write a script how to handle web element list box

package demo1;

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 ListBox {

public static void main(String[] args) throws InterruptedException {
System.setProperty("webdriver.chrome.driver", "C:/Software

Testing/chromedriver_win32/chromedriver.exe");

WebDriver driver =new ChromeDriver();

driver.get("https://techcavass.com/Examples/multi-select.html");

//identify a ListBox on webpage

WebElement listbox = driver.findElement(By.id("multiselect"));

//get all the options from the ListBox

Select s = new Select(listbox);

//select element according to their position

s.selectByIndex(0);

//s.selectByValue("volvo");

//s.selectByVisibleText("Volvo");

s.selectByIndex(1);

s.selectByIndex(2);

Thread.sleep(1000);

//deselect 1st and 2nd option

s.deselectByIndex(0);

s.deselectByIndex(1);

//find size and text of items and print it

List <WebElement>b = s.getOptions();

int c = b.size(); //6

System.out.println(c);

```
for(int i=0;i<=c-1;i++)
{
String d= b.get(i).getText();
System.out.println(d);
}
driver.close();
//text of first selected option will be displayed
WebElement d =s.getFirstSelectedOption();
String e = d.getText();
System.out.println(e);

}

}
```

11. Write a script to print the content of the list in sorted order.

```
package demo1;
import java.util.ArrayList;
import java.util.Collections;
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 ListBox2 {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:/Software
        Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("https://techcanvass.com/Examples/multi-select.html");
        //identify a ListBox on webpage
        WebElement listbox = driver.findElement(By.id("multiselect"));
        //get all the options from the ListBox
        Select s = new Select(listbox);
        List<WebElement> allOptions = s.getOptions();
        //creating array list of string type
        ArrayList<String> allText = new ArrayList<String>();
        //add all the options in allText array list
        for(int i=0;i<allOptions.size();i++)
        {
            String text = allOptions.get(i).getText();
            allText.add(text);
        }
        //Sort the items
        Collections.sort(allText);
        //print the sorted items
        for(String p:allText)
        {
            System.out.println(p);
        }
    }
}
```

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

Output –

ChromeDriver was started successfully.

Audi

Honda

Hyundai

Maruti Suzuki

Opel

Volvo

12. Write a script for how to handle I frames

```
package demo1;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class Iframe {
    public static void main(String[] args)throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "/C:/Software
        Testing/chromedriver_win32/chromedriver.exe");
        WebDriver driver =new ChromeDriver();
        driver.get("https://www.selenium.dev/selenium/docs/api/java/index.html?org/openqa/seleni
        um/package-summary.html");
        driver.manage().window().maximize();
        Thread.sleep(2000);
        //Switch to the child frame through index
        driver.switchTo().frame(0);
        //click on the link on that frame by using link text locator
        driver.findElement(By.linkText("org.openqa.selenium")).click();
        //switch back to the parent or main frame
        driver.switchTo().parentFrame();
        //Switch to the another child frame through index
        driver.switchTo().frame(2);
        //click on the link on that frame by using link text locator
        driver.findElement(By.linkText("By.Remotable")).click();
        Thread.sleep(3000);
        driver.close();
    }
}
```