

Advanced Selenium

Assignments Module – 2 (Selenium IDE)

- What is Automation Testing?
- Which Are The Browsers Supported By Selenium Ide?
- What are the benefits of Automation Testing?
- What are the advantages of Selenium?
- Why testers should opt for Selenium and not QTP?
- To validate the tops technologies website Contact us page and enter your friend detail at last “Guest Call Back” <https://www.tops-int.com/contact-us/>
- To validate the tops technologies website Contact us page and enter your friend detail at last “Guest Call Back” <https://www.tops-int.com/contact-us/>
 1. To use assert
 2. To use click and wait
 3. To use locators
 4. To use other command

AssignmentsModule – 3 (CoreJava)

- W.A.J.P to Take three numbers from the user and print the greatest number.
- W.A.J.P in Java to display the first 10 natural numbers using while loop.
- W.A.J.P to find factorial for Given Number.
- W.A.J.P to check given number is Prime or not?
- W.A.J.P to check given number is Armstrong or not?
- W.A.J.P for create Fibonacci Series.
- W.A.J.P to Print pattern Given Below.

1)

```
1
12
123
1234
12345
```

2)

```
1
12
123
1234
12345
```

3)

```
1
01
101
01010
101010
```

4)

```
1
2 2
3 3 3
4 4 4 4
```

5)

```
  *
 * * *
* * * * *
 * * *
  *
```

- WAP to compute the sum of the first 100 prime numbers.
- WAP to sum values of an array.
- WAP to calculate the average value of array elements.

- WAP to find the index of an array element.
- WAP to find the maximum and minimum value of an array.
- WAP to Compare Two String.
- WAP to concatenate a given string to the end of another string.
- WAP to demonstrate try catch block.
- WAP to demonstrate multiple catch blocks
- WAP to create one thread by implementing Runnable interface in Class.
- WAP to create one thread by extending Thread class in another Class.
- WAP to iterate through all elements in an array list.
- WAP to update specific array element by given element.
- WAP to remove the third element from a array list.
- WAP to Copy one array into another
- WAP to reverse an array of integer values.
- WAP to find the second largest element in an array.
- W.A.J.P. Create an abstract class 'Parent' with a method 'message'. It has two subclasses each having a method with the same name 'message' that prints "This is first subclass" and "This is second subclass" respectively.
Call the methods 'message' by creating an object for each subclass.
- W.A.J.P. which will ask the user to enter his/her marks (out of 100). Define a method that will display grades according to the marks entered as below:

Marks	Grade
91-100	AA
81-90	AB
71-80	BB
61-70	BC
51-60	CD
41-50	DD
<=40	Fail
- W.A.J.P. to create a custom exception if Customer withdraw amount which is greater than account balance then program will show custom exception otherwise amount will deduct from account balance.
Account balance is:2000
Enter withdraw amount:2500
Sorry, insufficient balance, you need more 500 Rs.
To perform this transaction.

Module – 4 (Selenium Webdriver)

Demo Websites To Practice selenium Webdriver

Website List

- 1 List of Websites to Practice Selenium

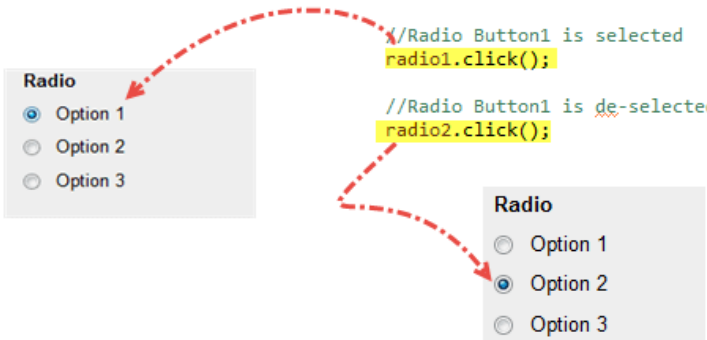
- 1.1 1. <https://phptravels.com/demo/>
- 1.2 2. <http://thedemosite.co.uk/>
- 1.3 3. <http://newtours.demoaut.com/>
- 1.4 4. <http://the-internet.herokuapp.com/>
- 1.5 5. <http://automationpractice.com/index.php>
- 1.6 6. <http://book.theautomatedtester.co.uk/>
- 1.7 7. <https://s1.demo.opensourcecms.com/wordpress/>

- W.A.J.Script for Locating links by linkText() and partialLinkText()
- W.A.J.Script for Selecting multiple items in a drop dropdown
- W.A.J. script to use different methods to manage the windows-alerts and pop ups.
- W.A.J.script to register your self in Gmail.
- W.A.J. Script To perform the radio button to select one by one in loop
<http://demo.guru99.com/test/radio.html>

```
WebElement radio1 = driver.findElement(By.id("vfb-7-1"));
WebElement radio2 = driver.findElement(By.id("vfb-7-2"));

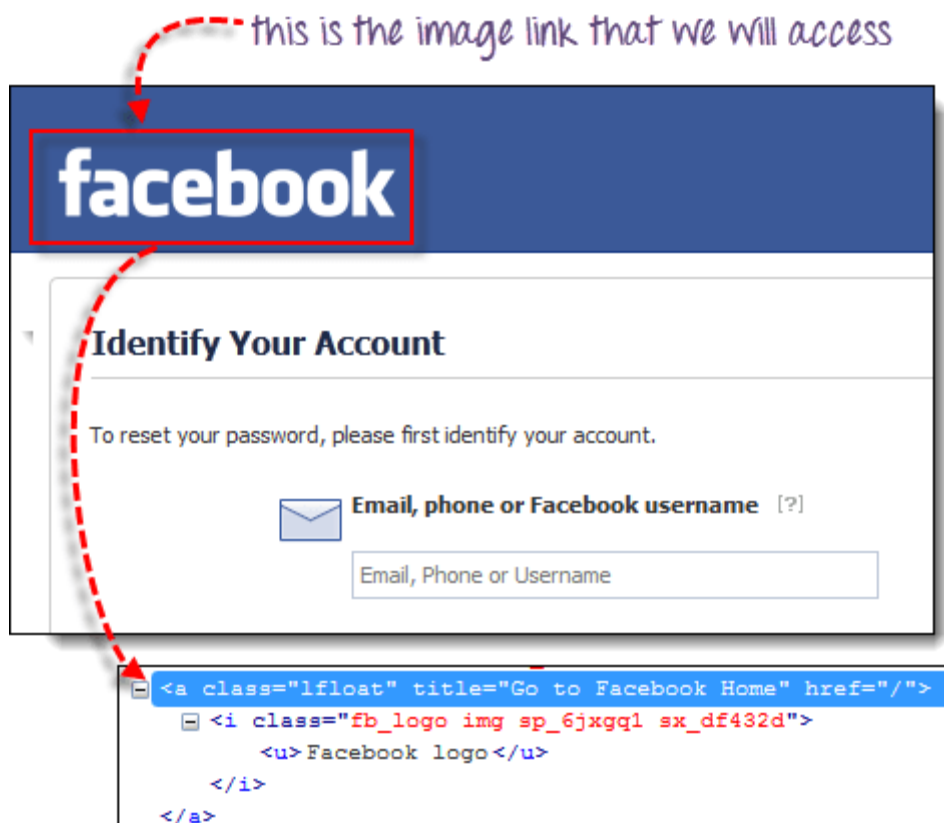
//Radio Button1 is selected
radio1.click();

//Radio Button1 is de-selected and Radio button2 is selected
radio2.click();
```



click() is the method to toggle on the radio buttons

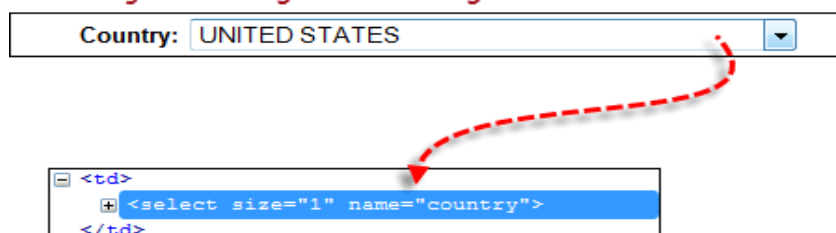
- W.A.J. script To write the script for image of logo facebook using xpath.



- W.A.J.Script To write a script for drop down.

<http://demo.guru99.com/test/newtours/register.php>

Mercury Tours Registration Page

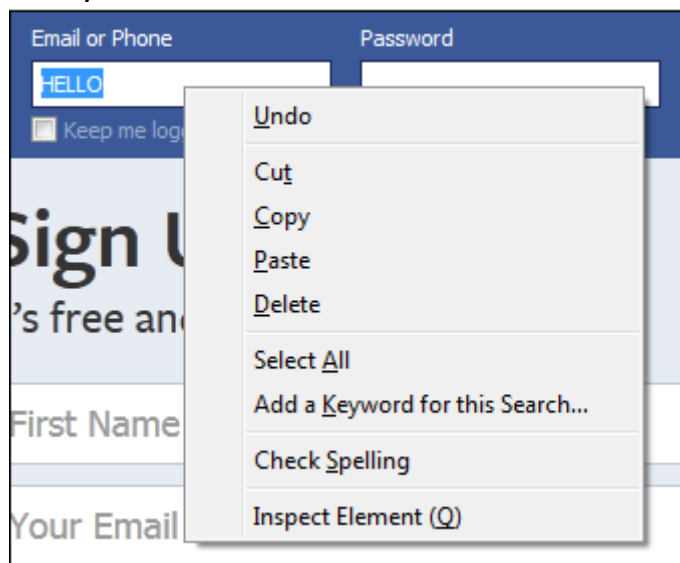


Firebug

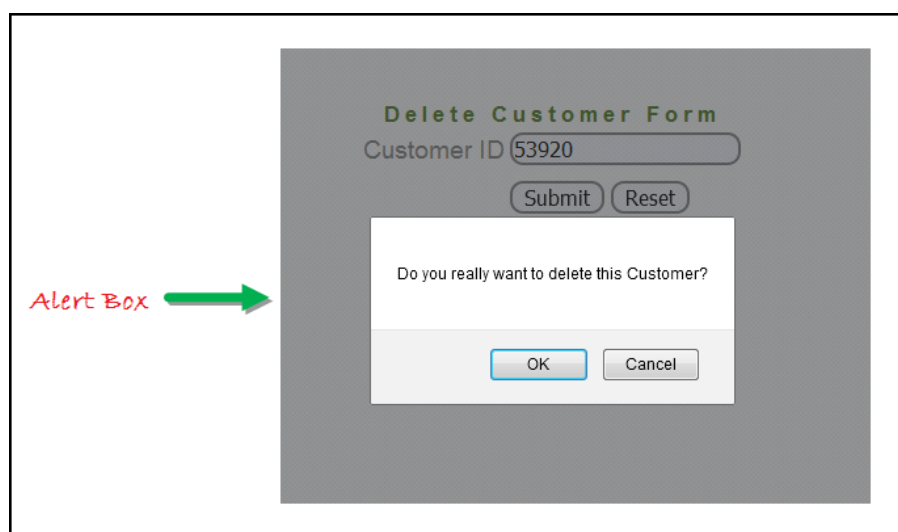
- W.A.J.Script To use Mouse and Keyboard event using Action class
- 1. Mouse Hover Event



2. Keyboard event



- W.A.J. Script How to handled Alert in selenium
["http://demo.guru99.com/test/delete_customer.php"](http://demo.guru99.com/test/delete_customer.php)



- W.A.J. Script To find the total hyperlink from this web page
<http://demo.guru99.com/test/web-table-element.php>

Top Gainers BSE | NSE new Last updated: 16 Sep, 12:12

Gainers

Daily Weekly Monthly

Losers

Daily Weekly Monthly

[All](#) | [Group A](#) | [Group B](#) | [Group M](#) | [Group T](#) | [Group MT](#) | [Group Z](#)

Company	Group	Prev Close (Rs)	Current Price (Rs)	% Change
Den Networks Ltd.	A	72.55	77.60	+ 6.96
United Breweries Ltd	A	821.10	874.35	+ 6.49
Balrampur Chini	A	102.40	108.50	+ 5.96
Sintex Industrie	A	78.65	82.90	+ 5.40
Thermax	A	822.90	865.00	+ 5.12

- W.a.junit program to handled Assert class with all method to check its pass or fail
- W.a. junit program to perform test with webdriver to login process of facebook
- W.a. junit program to check gmail login using with @before,@after,@Test
- W.a. junit program to use parameterized demo with multiple parameter of Facebook login in junit.
- W.a. TestNG program to perform test with webdriver to login process of facebook
- W.a. TestNG program to check gmail login using with @beforetest,@aftertest,@Test
- W.a. TestNG program to use parameterized demo with multiple parameter of Facebook login with TestNG.
- W.a. TestNG program to create group with testing.xml file
- w.a. TestNG program to create dataprovider.

Module – 5 (Automation Testing Framework)

- **W.a.framework program for data driven framework**

-to get value from the excel and check into your website

(<http://automationpractice.com/index.php?controller=authentication&back=my-account>)

Direct check with login which emaild through login successful or not)

	A	B
1	rahul.sanghavi.mca@gmail.com	rahul12345
2	rahul@gmail.com	rahul
3		
4		

- **W.a.framework program for keyword driven framework**

-given below keyword which you get from the Excel and check into you website (<http://automationpractice.com/index.php>)

1	open browser
2	enter url
3	click signin
4	enter email
5	enter password
6	click login
7	click logout
8	close browser
9	

- **W.a.framework program for hybrid driven framework**

-given below keyword and Data both which you get from the Excel and check into you website (<http://automationpractice.com/index.php>)

	A	B
1	open browser	null
2	enter url	http://automationpractice.com/index.php
3	click signin	null
4	enter email	rahul.sanghavi.mca@gmail.com
5	enter password	rahul12345
6	click login	null
7	click logout	null
8	close browser	null
9		

- **W.a.maven program to create simple webdriver Program**
- **W.a.maven program to create Junit with webdriver Program**
- **W.a.maven program to create TestNG with Webdriver Program.**