Practical No 9

**Theory:**

**Select Class in Selenium**

The **Select Class in Selenium** is a method used to implement the HTML SELECT tag. The html select tag provides helper methods to select and deselect the elements. **The Select class is an ordinary class so New keyword is used to create its object and it specifies the web element location.**

**Select Option from Drop-Down Box**

Following is a step by step process on how to select value from dropdown in Selenium:

Before handling dropdown in Selenium and controlling drop-down boxes, we must do following two things:

* 1. Import the package **org.openqa.selenium.support.ui.Select**
  2. Instantiate the drop-down box as an object, Select in Selenium WebDriver

#### ListBox:

ListBox is an element where user can select/deselect one or more items from it.

To identify the ListBox on webpage, look for select tag and attribute should be ‘multiple’ to select multiple items and there will be option tag which contains each item in it.

Practical 9 A based on Drop Down list

**package** pracs;

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

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

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

**import** org.openqa.selenium.support.ui.Select;

**public** **class** Nine\_A {

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

// **TODO** Auto-generated method stub

System.*setProperty*("webdriver.gecko.driver","C:\\Users\\Admin\\Downloads\\SoftwareTestingLab\\geckodriver.exe");

WebDriver wd = **new** FirefoxDriver(); wd.get("https://blazedemo.com/");

Select s = **new** Select(wd.findElement(By.*name*("fromPort")));

Select t = **new** Select(wd.findElement(By.*name*("toPort")));

s.selectByVisibleText("Paris");

t.selectByVisibleText("Rome");

}

}

package pracs;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver; import org.openqa.selenium.firefox.FirefoxDriver; import org.openqa.selenium.support.ui.Select;

public class NineA {

public static void main(String[] args) throws Exception {

System.setProperty("webdriver.gecko.driver","geckodriver.exe");

WebDriver wd = new FirefoxDriver();

wd.get("file:///F:/STQAWORKSPACE/stqa/src/pracs/Multi.html");

Select s = new Select(wd.findElement(By.id("car"))); if(s.isMultiple())

{

s.selectByIndex(1); s.selectByValue("3"); s.selectByVisibleText("Ferrari");

Thread.sleep(2000);

//s.deselectByIndex(1); s.deselectAll();

}}

}

#### Radio Button

Radio Buttons too can be toggled on by using the click() method.

#### Input Box

Input boxes refer to either of these two types:

* 1. **Text Fields**– Selenium input text boxes that accept typed values and show them as they are.
  2. **Password Fields**– text boxes that accept typed values but mask them as a series of special characters (commonly dots and asterisks) to avoid sensitive values to be displayed