**List Box :**

**List box is set of options**

1)WebElement a = driver.findElement(By.xpath("xpathexp"));

2)Select s = new Select(a);

Folllowing methods are used for select the option from listbox

1.s.selectByIndex();

2.s.selectByVisibleText();

3. s.selectByValue();

----------------------------------

**1.s.selectByIndex();**

Example:

**package** ListBox;

**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** ListBoxDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:/Soft/a/chromedriver.exe");

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

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

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

WebElement a = driver.findElement(By.*xpath*("/html/body/div/form/fieldset/select"));

Select s = **new** Select(a);

s.selectByIndex(3);

}

}

-------------------------------------------------------------------------------------------------------------------

**2.s.selectByVisibleText():**

**package** ListBox;

**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** ListBoxDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:/Soft/a/chromedriver.exe");

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

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

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

WebElement a = driver.findElement(By.*xpath*("/html/body/div/form/fieldset/select"));

Select s = **new** Select(a);

s.selectByVisibleText("Hyundai");

}

}

----------------------------------------------------------------------------------------

**3. s.selectByValue():**

Program:

**package** ListBox;

**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** ListBoxDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:/Soft/a/chromedriver.exe");

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

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

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

WebElement a = driver.findElement(By.*xpath*("/html/body/div/form/fieldset/select"));

Select s = **new** Select(a);

s.selectByValue("honda");

}

}

------------------------------------------------------------------------------------------------

Following methods are used for deselect the option from listbox

1.s.deselectByIndex();

2.s.deselectByVisibleText();

3. s.deselectByValue();

4. s.deselectAll();

---------------------------------------------------

**getFirstSelectedOption()**

Syntax:

WebElement a = driver.findElement(By.xpath("xpathexp"));

Select s = new Select(a);

s.selectByIndex(0)

WebElement a = s.getFirstSelectedOption();

System.out.println(a.getText());

Program:

**package** ListBox;

**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** ListBoxDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:/Soft/a/chromedriver.exe");

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

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

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

WebElement a = driver.findElement(By.*xpath*("/html/body/div/form/fieldset/select"));

Select s = **new** Select(a);

s.selectByIndex(0);//volvo

WebElement b = s.getFirstSelectedOption();

String c = b.getText();

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

}

}

---------------------------------------------------------------------------------------------------------------------------------------

**isMultiple()**

Ex:

WebElement a = driver.findElement(By.name("States"));

Select s = new Select(a);

s.selectByIndex(0);

s.selectByIndex(1);

s.selectByIndex(2);

Boolean sm = s.isMultiple();

System.out.println(sm);

Program:

**package** ListBox;

**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** ListBoxDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:/Soft/a/chromedriver.exe");

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

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

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

WebElement a = driver.findElement(By.*xpath*("/html/body/div/form/fieldset/select"));

Select s = **new** Select(a);

s.selectByIndex(0);

s.selectByIndex(1);

s.selectByIndex(2);

Boolean sm = s.isMultiple();

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

}

}

---------------------------------------------------------------------------------

**getOptions()**

Program:

**package** ListBox;

**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** ListBoxDemo {

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

System.*setProperty*("webdriver.chrome.driver", "E:/Soft/a/chromedriver.exe");

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

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

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

WebElement a = driver.findElement(By.*xpath*("/html/body/div/form/fieldset/select"));

Select s = **new** Select(a);

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

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

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

**for**(**int** i=0;i<=c-1;i++) {//0,1,2,3,4,5,

String d =b.get(i).getText();

System.***out***.println(d);//volvo

Thread.*sleep*(2000);

}

driver.close();

}

}

===================