Working With drop down/List Box:

To work with drop down/list box we should use select class

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

//Way 1

new Select(driver.findElement(By.id("loc_code"))).selectByVisibleText("Emp. First Name");

//Way 2

WebElement E= driver.findElement(By.name("OptWeb"));

Select x=new Select(E);

X. selectByVisibleText("Emp. First Name");

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

Select class commands and Syntx

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

```java
package WebDriverExamples;

import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class DropDownCommands
{
      public static void main(String[] args)
      {
            System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
            ChromeDriver Driver=new ChromeDriver();
            //----------------------------------------------
            //Create webelement
            WebElement E=Driver.findElement(By.name("RLM"));
            //----------------------------------------------
            //Create select object
            Select obj=new Select(E);
            //----------------------------------------------
            obj.selectByVisibleText("item name");
            obj.selectByIndex(0);
            obj.selectByValue("property");
            //----------------------------------------------
            //deselect commands for list box
            obj.deselectAll();
            obj.deselectByIndex(0);
            obj.deselectByValue("val");
```

```
                obj.deselectByVisibleText("text");


//------------------------------------------
                //Get all options from dropdown/list box
                List<WebElement> Ops=obj.getOptions();
                System.out.println(Ops.size());
                //Get selected options from list box
                List<WebElement> Li=obj.getAllSelectedOptions();
                //Get first selected item from list box
                WebElement E1=obj.getFirstSelectedOption();
        }
}
```

****

select items from drop down

****

```
package WebDriverExamples;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class DropDownCommands
{
        public static void main(String[] args)throws Exception
        {
                System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
                ChromeDriver Driver=new ChromeDriver();
                Driver.manage().window().maximize();
                Driver.get("http://classroom:90/webapp/SelectAWebSite.html");
                Thread.sleep(2000);
                //---------------------------------------------
                //Create webelement
                WebElement E=Driver.findElement(By.name("OptWeb"));
                //-------------------------------------------------
                //Create select object
                Select obj=new Select(E);
                //----------------------------------------------------
                //select item by using item name
                obj.selectByVisibleText("rlm");
                Thread.sleep(2000);
                //select item by using index
                obj.selectByIndex(0);
                Thread.sleep(2000);
                //Select item by using value
                obj.selectByValue("Microsoft");
                Thread.sleep(2000);
                //------------------------------------------------------
                Driver.close();
                Driver.quit();
        }
}
```

```
*************************************************************************
```
Print all items from drop down
```
*************************************************************************
package WebDriverExamples;

import java.util.Iterator;
import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class DropDownCommands
{
        public static void main(String[] args)throws Exception
        {
                System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
                ChromeDriver Driver=new ChromeDriver();
                Driver.manage().window().maximize();
                Driver.get("http://classroom:90/webapp/SelectAWebSite.html");
                Thread.sleep(2000);
                //-----------------------------------------------
                //Create webelement
                WebElement E=Driver.findElement(By.name("OptWeb"));
                //------------------------------------------------
                //Create select object
                Select obj=new Select(E);
                //--------------------------------------------------
                //Get all options
                List<WebElement> Ops=obj.getOptions();
                //------------------------------------------------------
                //Print all values from drop down using : using for
                for(int i=0;i<Ops.size();i++)
                {
                        String text=Ops.get(i).getText();
                        System.out.println(text);

                }
                //----------------------------------------------------------
                //Print all values from drop down using : Iterator object
                Iterator<WebElement> ITR=Ops.iterator();
                while (ITR.hasNext())
                {
                        WebElement webElement = ITR.next();
                        System.out.println(webElement.getText());
                }
                //Way 2:Print all values from drop down using for each
                for(WebElement E1 : Ops)
                {
                        System.out.println(E1.getText());
                }
                //-----------------------------------------------------
                Driver.close();
                Driver.quit();
```

```
        }
}
```

Exercise:

1. How To select multiple items from list box

2. How To deselect items one by one from list box

3. How to deselect all items from list box

4. How to print all items from list box

5. How to print all selected items from list box