**package** selectClass;

**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** Demo {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\balaji\\Desktop\\Java Automation\\1-Jan\\Automation\\chromedriver\_win32 (2)\\chromedriver.exe");

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

driver.get("https://www.facebook.com/signup");

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

WebElement monthLocator = driver.findElement(By.*xpath*("//select[@id='month']"));

Select sel = **new** Select(monthLocator);

sel.selectByVisibleText("Dec");

Thread.*sleep*(3000);

sel.selectByVisibleText("Jan");

}

}

**package** selectClass;

**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** Demo1 {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\balaji\\Desktop\\Java Automation\\1-Jan\\Automation\\chromedriver\_win32 (2)\\chromedriver.exe");

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

driver.get("https://www.facebook.com/signup");

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

WebElement monthLocator = driver.findElement(By.*xpath*("//select[@id='month']"));

Select ss = **new** Select(monthLocator);

ss.selectByIndex(11);

**for** (**int** i =0; i<=11; i++) {

ss.selectByIndex(i);

Thread.*sleep*(1000);

}

}

}

**package** selectClass;

**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** Demo2 {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\balaji\\Desktop\\Java Automation\\1-Jan\\Automation\\chromedriver\_win32 (2)\\chromedriver.exe");

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

driver.get("https://www.facebook.com/signup");

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

WebElement month = driver.findElement(By.*xpath*("//select[@id='month']"));

Select s1 = **new** Select(month);

s1.selectByValue("12");

}

}

Select s = new Select(locator );

// Parameterized Non-static method

s.selectByVisibleText(String Text); => parameter -> String

s.selectByIndex(int index); => Parameter -> int

s.selectByValue(String Value); => parameter -> String

Assignement:

Select DOB on FB signup page (DD MM YYYY)

How to Handle List Box(select class/drop down)?

Step1: Identify List Box which needs to handle and store it in reference variable.

WebElement month = driver.findElement(By.xpath("//select[@id='month']"));

Step2: Create object of select class which accept webelement as argumenet.

Step3: Pass reference variable of webeleemnt where locator is assigned.

Select s = new Select(month);

Step4: By using select class function call non-static methods like

s.selectByValue(String value);

s.selectByVisisbleText(String text);

s.selectByIndex(int index);

How many ways you can handle List Box?

* 3 ways
* s.selectByValue(String value);
* s.selectByVisisbleText(String text);
* s.selectByIndex(int index);

**package** selectClass;

**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** Demo3 {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\balaji\\Desktop\\Java Automation\\1-Jan\\Automation\\chromedriver\_win32 (2)\\chromedriver.exe");

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

driver.get("https://www.facebook.com/signup");

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

WebElement year = driver.findElement(By.*xpath*("//select[@name='birthday\_year']"));

Select sel = **new** Select(year);

**int** len = sel.getOptions().size();

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

**for** (**int** i=0; i<=len-1; i++) {

String str = sel.getOptions().get(i).getText();

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

}

}

}

getOPtions => List<WebElement>

findElements => List<WebElement>

How to deselect?

* s.deselectByValue(String value);
* s.deselectByVisisbleText(String text);
* s.deselectByIndex(int index);

s.selectAll();

**package** selectClass;

**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** Demo4 {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\balaji\\Desktop\\Java Automation\\1-Jan\\Automation\\chromedriver\_win32 (2)\\chromedriver.exe");

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

driver.get("https://www.facebook.com/signup");

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

WebElement yr = driver.findElement(By.*xpath*("//select[@name='birthday\_year']"));

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

// to verify multi-selectable or single selectable

**boolean** result = s.isMultiple();

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

driver.quit();

}

}

**package** selectClass;

**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** Demo5 {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\balaji\\Desktop\\Java Automation\\1-Jan\\Automation\\chromedriver\_win32 (2)\\chromedriver.exe");

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

driver.get("https://www.facebook.com/signup");

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

WebElement yr = driver.findElement(By.*xpath*("//select[@name='birthday\_year']"));

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

//to get selected option

String first = s.getFirstSelectedOption().getText();

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

}

}

Note :

* Select class is applicable to only those dropdown which is having select as TagName.
* If the dropdown don’t have tagname select then it is customized drop down.