FindElements() and handling the dropdown:

findElements(): It is a method which is used to locate multiple webElements over a webpage by using single locator.

It is generally used to handle the common component by using loops.

The return type of findElements is **List<WebElement>.**

**findElement() vs findElements():**

findElement is used to locate single webElement over the webpage where as findElements is used to locate multiple webElements over a webpage.

Return type of findElement is WebElement and return type of findElements is **List<WebElement>.**

**Handling of drop down using findElements:**

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

System.*setProperty*("webdriver.chrome.driver", "E:\\desktop\\Katraj\\15 Jan\\Selenium\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();// chrome browser will get open

driver.manage().window().maximize();// to maximize the window

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

List<WebElement> daydropdown = driver.findElements(By.*xpath*("//select[@id='day']//option"));

// for(WebElement value:daydropdown)

// {

// String d = value.getText();

//

// System.out.println(d);

//

// if(d.equals("18"))

// {

// value.click();

// }

// }

**int** numberofoptions = daydropdown.size();// size method is used to get the total number of webelements that we have located.

**for**(**int** i=0; i<numberofoptions; i++ )

{

String dayvalue = daydropdown.get(i).getText();

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

}

Handling of dropdown:

There are 2 types of dropdown:

1. Dropdown with Select tag

2. Bootstrap dropdown

1. Dropdown with Select tag: A dropdown whose tag name is Select then that particular dropdown is known as dropdown with select tag.

To handle the dropdown we have to Select Class:

First way using selectByVisibleText(String value):

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

System.*setProperty*("webdriver.chrome.driver", "E:\\desktop\\Katraj\\15 Jan\\Selenium\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();// chrome browser will get open

driver.manage().window().maximize();// to maximize the window

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

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

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

sel.selectByVisibleText("20");

Second way : selectByValue:

System.*setProperty*("webdriver.chrome.driver", "E:\\desktop\\Katraj\\15 Jan\\Selenium\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();// chrome browser will get open

driver.manage().window().maximize();// to maximize the window

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

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

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

selmonth.selectByValue("8");

Third way: selectByIndex():

System.*setProperty*("webdriver.chrome.driver", "E:\\desktop\\Katraj\\15 Jan\\Selenium\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();// chrome browser will get open

driver.manage().window().maximize();// to maximize the window

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

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

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

selyear.selectByIndex(10);