**Webdriver Select with Multiple Attribute**

WebDriver’s support classes called “Select”, which provides useful methods for interacting with select options. User can perform operations on a select dropdown and also de-select operation using the below methods.

User can also get the text of the values in the dropdown. Also can get the option which are selected by the user. To use these options, the Select Tag should have "multiple" attribute.

**Method Name: getOptions**

Syntax: select.getOptions ();  
Returns: List  
Purpose: Returns all the option elements displayed in this select tag (dropdown list)

**Example:HTML Sample Code**

<**html**>

<**head**>

<**title**>Multi select Drop Down List Box</**title**>

</**head**>

<**body**>

<**p**>What all devices do you listen to music on?</**p**>

<**select** name="Mobdevices" multiple="multiple"><**option** value="0" selected> Please select</**option**>

<**option** value="1">iPhone</**option**>

<**option** value="2">Nokia</**option**>

<**option** value="3">Samsung</**option**>

<**option** value="4">HTC</**option**>

<**option** value="5">BlackBerry</**option**>

</**select**>

</**body**>

</**html**>

**Example Webdriver Code:**

*//To get all the options present in the dropdown*

List<WebElement> allOptions = se.getOptions();

**for** (WebElement webElement : allOptions)

{

System.**out**.println(webElement.getText());

}

**Method Name: getAllSelectedOptions**

Syntax: select.getAllSelectedOptions();  
Returns: List  
Purpose: It will return all the option elements that are selected in the select tag.

**Example Webdriver Code**

WebElement element=driver.findElement(By.name("Mobdevices"));

Select se=**new** Select(element);

se.selectByVisibleText("Nokia");

se.selectByVisibleText("HTC");

*//To get all the options that are selected in the dropdown.*

List<WebElement> allSelectedOptions = se.getAllSelectedOptions();

**for** (WebElement webElement : allSelectedOptions)

{

System.**out**.println("You have selected ::"+ webElement.getText());

}

**Method Name: getFirstSelectedOption**

Syntax: Select.getFirstSelectedOption();  
Returns: WebElement   
Purpose:  It will return the first selected option in this select tag (or the currently selected option in a normal select)

**Example Webdriver Code:**

WebElement element=driver.findElement(By.name("Mobdevices"));

Select se=**new** Select(element);

se.selectByVisibleText("Nokia");

se.selectByVisibleText("HTC");

*//To get the first selected option in the dropdown*

WebElement firstOption = se.getFirstSelectedOption();

System.**out**.println("The First selected option is::" +firstOption.getText());

**Method Name: isMultiple**

Syntax: select.isMultiple ();  
Returns: Boolean  
Purpose: To check whether the Select element supports selecting multiple options. This will be done by checking the value of the "multiple" attributes in Select tag.

Example:

**if**(se.isMultiple())

{

System.**out**.println("Select tag allows multiple selection");

}

**else**

{

System.**out**.println("Select does not allow multiple selections");

}

**The below example Webdriver code show all the above examples together**

package com.first.example;

import java.util.Iterator;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

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

import org.testng.annotations.Test;

public class selectExamples {

WebDriver driver;

@Test

public void selectSamples() throws InterruptedException

{

driver = new FirefoxDriver();

driver.get("C:\\Users\\DEV\\Desktop\\html-and-css-code-samples\\Final Code\\chapter-07\\dropdown-select.html");

WebElement element=driver.findElement(By.name("Mobdevices"));

Select se=new Select(element);

se.selectByVisibleText("Nokia");

se.selectByVisibleText("HTC");

//To get all the options present in the dropdown

List<WebElement> allOptions = se.getOptions();

for (WebElement webElement : allOptions)

{

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

}

//To get all the options that are selected in the dropdown.

List<WebElement> allSelectedOptions = se.getAllSelectedOptions();

for (WebElement webElement : allSelectedOptions)

{

System.out.println("You have selected::"+ webElement.getText());

}

//To get the first selected option in the dropdown

WebElement firstOption = se.getFirstSelectedOption();

System.out.println("The First selected option is::" +firstOption.getText());

if(se.isMultiple())

{

System.out.println("Select tag allows multiple selection");

}

}

}

**Please click the below link for Select options 'Part-1"**[**Select Options Part -I**](http://seleniumeasy.com/selenium-tutorials/webdriver-select-methods-to-work-with-dropdowns)

* [‹ Webdriver SELECT Methods to work with Dropdowns](http://www.seleniumeasy.com/selenium-tutorials/webdriver-select-methods-to-work-with-dropdowns)