

# How to Select Value from DropDown using Selenium Webdriver

## Select Class in Selenium

The **Select Class in Selenium** is a method used to implement the HTML SELECT tag. The html select tag provides helper methods to select and deselect the elements. The Select class is an ordinary class so New keyword is used to create its object and it specifies the web element location.

## Select Methods in Selenium

The following are the most common methods used on Selenium dropdown list.

### #1) selectByVisibleText() and deselectByVisibleText()

- Selects/deselects the option that displays the text matching the parameter.
- **Parameter:** The exactly displayed text of a particular option

**Example:**

```
drpCountry.selectByVisibleText("ANTARCTICA");
```

### #2) selectByValue() and deselectByValue()

- Selects/deselects the option whose “value” attribute matches the specified parameter.
- Remember that not all drop-down options have the same text and “value”, like in the example below.
- **Parameter:** value of the “value” attribute

**Example:**

```
drpCountry.selectByValue("234");
```

### #3) selectByIndex() and deselectByIndex()

- Selects/deselects the option at the given index.
- **Parameter:** the index of the option to be selected.

**Example:**

```
drpCountry.selectByIndex(0);
```

#### #4) isMultiple()

- Returns TRUE if the drop-down element allows multiple selections at a time; FALSE if otherwise.
- **Parameter:** Not needed

#### Example

```
if (drpCountry.isMultiple())  
{  
    //do something here  
}
```

#### #5) deselectAll()

- Clears all selected entries. This is only valid when the drop-down element supports multiple selections.
- **Parameter:** Not needed

#### Example:

```
drpCountry.deselectAll();  
  
//Interview Question - Dropdown  
  
//Handling AutoSuggestive dropdown using selenium dynamic dropdown  
  
package Interview_Practice;  
  
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;  
  
import io.github.bonigarcia.wdm.WebDriverManager;  
  
public class StaticDropdown {  
  
    public static void main(String[] args) throws InterruptedException  
    {  
  
        WebDriverManager.chromedriver().setup();
```

```

WebDriver driver = new ChromeDriver();

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

driver.get("https://rahulshettyacademy.com/AutomationPractice/");

//store the element in the variable

WebElement dropdown=driver.findElement(By.id("dropdown-class-example"));

dropdown.click();

//create the object of select class

Select select=new Select(dropdown);

select.selectByIndex(1);

Thread.sleep(3000);

select.selectByValue("option2");

Thread.sleep(3000);

select.selectByVisibleText("Select");

//dynamic element

//autodropdown is just a box in which we send the 'ind' key

WebElement autoDropdown=driver.findElement(By.id("autocomplete"));

autoDropdown.sendKeys("in");

```

//we can write in that way also without using webelement here webelement is locator and autoDropdown is variable

```

//driver.findElement(By.id("autocomplete")).sendKeys("ind");

Thread.sleep(2000);

//store the list in options

List<WebElement> options=driver.findElements(By.xpath("//*[@class='ui-menu-item']"));

System.out.println(options.size());

```

```
for(WebElement option:options)
{
    //here we want to display country name so we use contry
    String contry=option.getText();
    if(contry.equalsIgnoreCase("India"))
    {
        option.click();
        break;
    }
}
}
```