

Date:17/10/2020

**Practical no 7**

**AIM:** Write and test a program to get the number of items in a DropDownList / combo box.

**Theory**

**WebElement** : Represents an HTML element. Generally, all interesting operations to do with interacting with a page will be performed through this interface. WebElement objects are Selenium(Java) equivalent of HTML elements in the UI such as Form, Button, Select, A, P, H0-6, etc..

**org.openqa.selenium.support.ui.Select** : Models a SELECT tag, providing helper methods to select and deselect options.

**java.util.List** : This data structure allows one to list down WebElements in Java which could be sub-elements or nested elements under the selector. The object has methods such as **object.size()** which returns the size of the list, **Selectobject.getOptions()** which returns a select option element from the object.

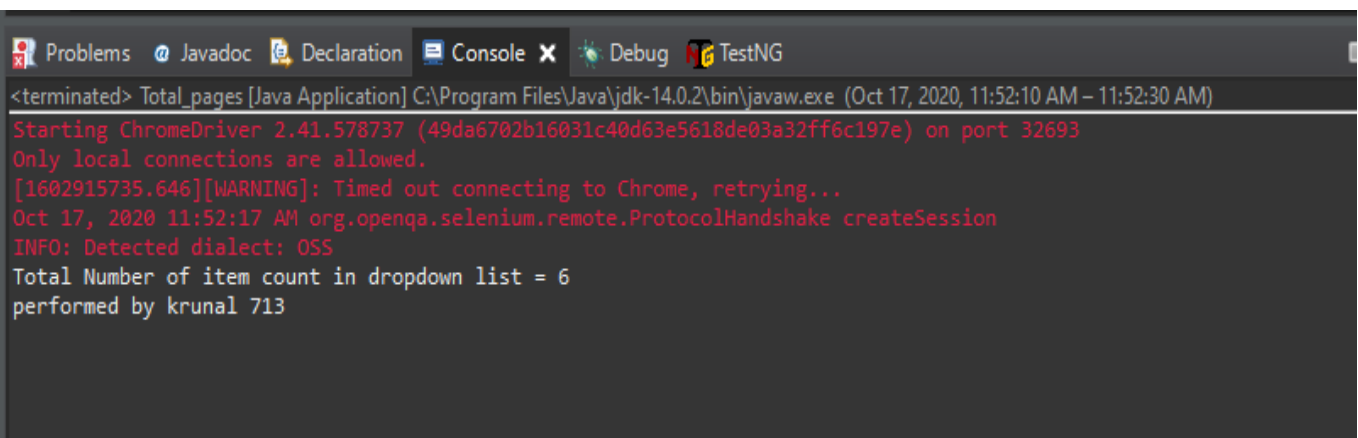
**Select.selectByVisibleText()** : Select all options that display text matching the argument. That is, when given "Bar" this would select an option like: Bar .

**Select.selectByIndex()**: Select the option at the given index. This is done by examining the "index" attribute of an element, and not merely by counting.

**Code:****Part A**

```
package prac77;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
import java.util.List;
import org.openqa.selenium.WebElement;

public class Prac7 {
    static String driverPath="E:\\tycs\\stqa
prac\\prac2\\chromedriver_win32\\chromedriver.exe";
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", driverPath);
        WebDriver driver= new ChromeDriver();
        driver.get("E:/tycs/stqa%20prac/prac7/index.html");
        Select selectDropdown = new Select(driver.findElement(By.id("bikes")));
        List
```

**Output:-**

```
<terminated> Total_pages [Java Application] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (Oct 17, 2020, 11:52:10 AM – 11:52:30 AM)
Starting ChromeDriver 2.41.578737 (49da6702b16031c40d63e5618de03a32ff6c197e) on port 32693
Only local connections are allowed.
[1602915735.646][WARNING]: Timed out connecting to Chrome, retrying...
Oct 17, 2020 11:52:17 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Total Number of item count in dropdown list = 6
performed by krupal 713
```

Chrome is being controlled by automated test software.



**HTML**  
VERSION  
Use Java Version

**SAVINGS!**  
Rent A Car  
CLICK HERE

First Name:

Last Name:

Phone:

Email:

#### Mailing Information

Address:

City:

State/Province:

Postal Code:

Country:

#### User Information

User Name:

Password:

Confirm Password:

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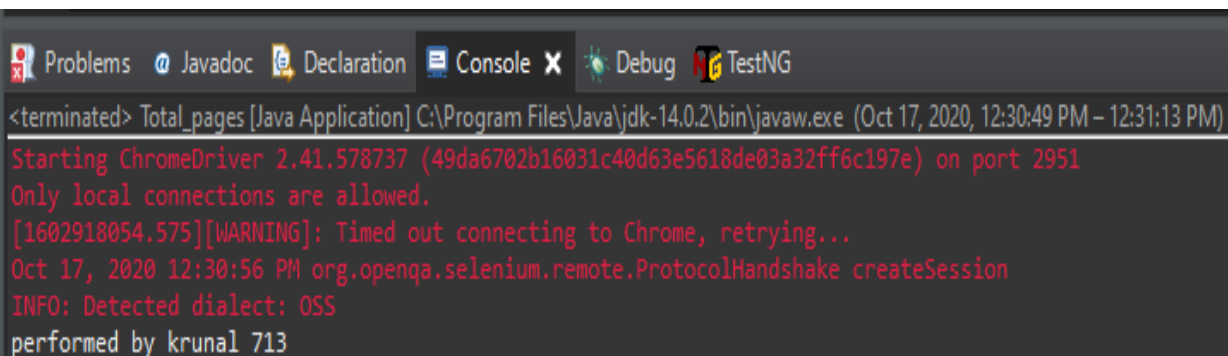
**Part-B**

```
package stqapracccc;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class Total_pages {
    static String driverPath="E:\\tycs\\stqa
prac\\prac2\\chromedriver_win32\\chromedriver.exe";
    public static void main(String[] args) throws InterruptedException {
        //----PART2A -----//
        System.setProperty("webdriver.chrome.driver", driverPath);

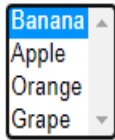
        String baseUrl = "http://demo.guru99.com/test/newtours/register.php";
        WebDriver driver= new ChromeDriver();
        driver.get(baseUrl);
        Select drpCountry = new Select(driver.findElement(By.name("country")));
        drpCountry.selectByVisibleText("INDIA");
        Thread.sleep(8000);

        //----PART2B -----//
        driver.get("http://jsbin.com/osebed/2");
        Select fruits = new Select(driver.findElement(By.id("fruits")));
        fruits.selectByVisibleText("Banana");
        fruits.deselectByIndex(1);
        Thread.sleep(8000);
        driver.close();
        System.out.println("performed by krunal 713");
    }
}
```

**Output**

```
<terminated> Total_pages [Java Application] C:\Program Files\Java\jdk-14.0.2\bin\javaw.exe (Oct 17, 2020, 12:30:49 PM – 12:31:13 PM)
Starting ChromeDriver 2.41.578737 (49da6702b16031c40d63e5618de03a32ff6c197e) on port 2951
Only local connections are allowed.
[1602918054.575][WARNING]: Timed out connecting to Chrome, retrying...
Oct 17, 2020 12:30:56 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
performed by krunal 713
```

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