

### How To find multiple elements in WebDriver:

```
package WebDriver_Ex;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class WebDriverCommands
{
    public static void main(String[] args)
    {
        ChromeDriver Driver=new ChromeDriver();
        //-----
        //TO find multiple elements
        Driver.findElements(By.className("className"));
        //-----
        //TO get all links count
        //way 1
        int LC=Driver.findElements(By.tagName("a")).size();
        //Way 2
        List<WebElement> LS=Driver.findElements(By.tagName("a"));
        System.out.println(LS.size());
        //-----
        //To get buttons
        int BC=Driver.findElements(By.className("button")).size();
        //-----
        //To get row count
        int rc=Driver.findElements(By.xpath("//table/tbody/tr")).size();
        //TO get column count
        int colc=Driver.findElements(By.xpath("//table/tbody/tr[1]/td")).size();
        //TO get cell count
        int cellc=Driver.findElements(By.xpath("//table/tbody/tr/td")).size();
    }
}
```

### How to get row,column and cell count

```
package WebDriverEx;

import org.openqa.selenium.By;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class WorkingWithWebTable
{
    public static void main(String[] args)
    {
        System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
        //Create object and it will launch browser
        ChromeDriver Driver=new ChromeDriver();
        Driver.manage().window().maximize();
        WebDriverWait wait=new WebDriverWait(Driver, 60);
        //-----
    }
}
```

```

//Open web site
Driver.get("http://apps.qaplanet.in/webapp/AssertXPath.html");
//wait for AssertXPath
wait.until(ExpectedConditions.titleIs("AssertXPath"));
//-----
//Get row count
int rc=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr")).size();
System.out.println("row count: "+rc);
//Get column count
int
colc=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr[1]/td")).size();
System.out.println("column count: "+colc);
//Get cell count
int cellc=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr/td")).size();
System.out.println("cell count: "+cellc);
//-----
Driver.close();
Driver.quit();
}
}

```

### Get Cell data Using For- Loop

```

=====
package WebDriverEx;
import org.openqa.selenium.By;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class WorkingWithWebTable
{
    public static void main(String[] args)
    {
        System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
//Create object and it will launch browser
ChromeDriver Driver=new ChromeDriver();
Driver.manage().window().maximize();
WebDriverWait wait=new WebDriverWait(Driver, 60);
//-----
//Open web site
Driver.get("http://apps.qaplanet.in/webapp/AssertXPath.html");
//wait for AssertXPath
wait.until(ExpectedConditions.titleIs("AssertXPath"));
//-----
//Get row count
int rc=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr")).size();
System.out.println("row count: "+rc);
//Get column count
int
colc=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr[1]/td")).size();
System.out.println("column count: "+colc);

```

```

//Get cell count
int cellc=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr/td")).size();
System.out.println("cell count: "+cellc);
//-----
for(int i=1;i<=rc;i++)
{
    for(int j=1;j<=colc;j++)
    {
        //Get cell data
        String
data=Driver.findElement(By.xpath("//table[@id='idCourse']/tbody/tr["+i+"]/td["+j+"]")).getText();
        System.out.println(data);
    }
}
//-----
Driver.close();
Driver.quit();
}
}

```

#### Get Cell data Using Iterator

```

=====
package WebDriverEx;
import java.util.Iterator;
import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class WorkingWithWebTable
{
    public static void main(String[] args)
    {
        System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
        //Create object and it will launch browser
        ChromeDriver Driver=new ChromeDriver();
        Driver.manage().window().maximize();
        WebDriverWait wait=new WebDriverWait(Driver, 60);
        //-----
        //Open web site
        Driver.get("http://apps.qaplanet.in/webapp/AssertXPath.html");
        //wait for AssertXPath
        wait.until(ExpectedConditions.titleIs("AssertXPath"));
        //-----

        //Get cell
        List<WebElement>
TDS=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr/td"));

```

```

        System.out.println("cell count: "+TDS.size());
        //-----
        Iterator<WebElement> ITR=TDS.iterator();
        while(ITR.hasNext())
        {
            WebElement TD=ITR.next();
            System.out.println(TD.getText());
        }
        //-----
        Driver.close();
        Driver.quit();
    }
}

```

### Get Cell data Using For - Each Loop

```

=====
package WebDriverEx;
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
public class WorkingWithWebTable
{
    public static void main(String[] args)
    {
        System.setProperty("webdriver.chrome.driver",
"F:\\D-Drive\\FromC\\chromedriver_win32\\chromedriver.exe");
        //Create object and it will launch browser
        ChromeDriver Driver=new ChromeDriver();
        Driver.manage().window().maximize();
        WebDriverWait wait=new WebDriverWait(Driver, 60);
        //-----
        //Open web site
        Driver.get("http://apps.qaplanet.in/webapp/AssertXPath.html");
        //wait for AssertXPath
        wait.until(ExpectedConditions.titleIs("AssertXPath"));
        //-----

        //Get cell
        List<WebElement>
TDS=Driver.findElements(By.xpath("//table[@id='idCourse']/tbody/tr/td"));
        System.out.println("cell count: "+TDS.size());
        //-----
        for(WebElement TD : TDS)
        {
            System.out.println(TD.getText());
        }
        //-----
        Driver.close();
    }
}

```

```

        Driver.quit();
    }
}

```

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### Get All Links name from WebPage

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```

package Examples;
import java.util.List;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;

public class GetAllLinksName
{
    public static void main(String[] args)throws Exception
    {
        WebDriver driver=new FirefoxDriver();
        driver.manage().timeouts().implicitlyWait(5,TimeUnit.SECONDS);
        driver.get("http://www.calculator.net/");
        driver.manage().window().maximize();
        List<WebElement> list=driver.findElements(By.tagName("a"));
        //System.out.println(list.size());
        //int txt=list.size();
        //System.out.println(txt);
        System.out.println(list.size());
        for(int i=0;i<list.size();i++)
        {
            String txt=list.get(i).getText();
            System.out.println(txt);
            if(txt.equals("Due Date Calculator"))
            {
                list.get(i).click();
                break;
            }
        }
        driver.close();
        driver.quit();
    }
}

```