# # 3- SeleniumWebDriverJava-AdvancedControl, WebTable/Grid(Dynamic&Static),Get&SetText

1. Grid.htm file contains simple web controls.

D:\Selenium web driver java\Static & Dynamic grid\Grid.htm

I upload this file at my github account, you can access this file from github link <https://github.com/farahgul13/WebdriverTest>

Open chrome. Open URI D:\Selenium web driver java\ Static & Dynamic grid \Grid.htm and inspect web controls.

1. Write code for Static & dynamic grids or web table.

Pseudocode:

Static table-GetTextofTable:

1. Find out web table or grid.
2. Count number of rows
3. Count number of columns of each row
4. Get the value at specific column and row

Dynamic table - SetTextatTable:

1. Find out web table or grid.
2. Count number of rows
3. Count number of columns of each row
4. Find the element at specific row and column
5. Set text into found element

Actual code:

**package** TestPackage;

**import** java.util.List;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.By;

**public** **class** GridControls {

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

System.*setProperty*("webdriver.chrome.driver", "D:\\Selenium web driver java\\Setups files\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();

driver.get("D:\\Selenium web driver java\\Static & Dynamic grid\\Grid.htm");

//Static table

WebElement webTable\_1 = driver.findElement(By.*xpath*("//body/table[1]/tbody"));

//No. of rows in table

List<WebElement> rowTable\_1 = webTable\_1.findElements(By.*tagName*("tr"));

**int** rowCount = rowTable\_1.size();

System.***out***.println("Rows Count "+rowCount);

**for**(**int** row=0; row <rowCount; row++)

{

List<WebElement> columnCounts = rowTable\_1.get(row).findElements(By.*tagName*("td"));

**int** columnCount = columnCounts.size();

System.***out***.println("Column Count "+columnCount);

**for**(**int** column=0; column < columnCount ; column++)

{

String celltext = columnCounts.get(column).getText();

System.***out***.println("Text at row "+row+" and coulmn "+column+" is "+celltext);

}

}

String[][] VisitInfo = {

{"Karachi","Sea View"},

{"Hunza","Altit Fort"}};

//Dynamic tables

WebElement webTable\_2 = driver.findElement(By.*xpath*("//table[2]/tbody"));

//No. of rows in table

List<WebElement> rowTable\_2 = webTable\_2.findElements(By.*tagName*("tr"));

**int** rowCount\_2 = rowTable\_2.size();

System.***out***.println("Rows Count "+rowCount\_2);

**for**(**int** row=1; row <rowCount\_2; row++)

{

List<WebElement> columnCounts = rowTable\_2.get(row).findElements(By.*tagName*("td"));

**int** columnCount\_2 = columnCounts.size();

System.***out***.println("Column Count "+columnCount\_2);

**for**(**int** column=1; column < columnCount\_2; column++)

{

WebElement city = webTable\_2.findElement(By.*xpath*("//tr[" + row + "]/td[" + column + "]/input"));

city.sendKeys(VisitInfo[row-1][column-1]);

**int** colnxt = column+1;

WebElement placeofVisit = webTable\_2.findElement(By.*xpath*("//tr[" + row + "]/td["+ colnxt +"]/input"));

placeofVisit.sendKeys(VisitInfo[row-1][colnxt-1]);

}

}

WebElement SubmitBtn = webTable\_2.findElement(By.*cssSelector*("input[type=button]"));

SubmitBtn.click();

}

}