

SOURCE CODE

WebElements

```
package com.ecommerce.test;

import java.time.Duration;
import java.util.List;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.WindowType;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;

public class WebElements {

    public static void main(String[] args) throws InterruptedException {
        // Basic configuration
        WebDriver driver = new ChromeDriver();

        TableDemo(driver);
    }

    // Locate and Process Table
    static void TableDemo(WebDriver driver) {
        String baseUrl = "https://www.nyse.com/ipo-center/recent-ipo";
        driver.get(baseUrl);

        driver.manage().timeouts().implicitlyWait(10,
TimeUnit.SECONDS);

        String tableXPath =
"/html/body/div[1]/div[4]/div[2]/div[3]/div[1]/div[4]/table";
        String tableXPathRow =
"/html/body/div[1]/div[4]/div[2]/div[3]/div[1]/div[4]/table/tbody/tr";

        List<WebElement> rowList =
driver.findElements(By.xpath(tableXPathRow));

        System.out.printf("\nTOTAL NUMBER OF ROWS = %s",
rowList.size());

        // Column count
        String tableHeadingXPath =
"/html/body/div[1]/div[4]/div[2]/div[3]/div[1]/div[4]/table/thead/tr/th";
```

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        List<WebElement> colList =
driver.findElements(By.xpath(tableHeadingXPath));

        System.out.printf("\nTOTAL NUMBER OF COLUMNS = %s \n",
colList.size());

        // Finding cell value at 4th row and 3rd column
        WebElement cellAddress = driver.findElement(By.xpath(tableXPath
+ "/tbody/tr[4]/td[3]"));
        String value = cellAddress.getText();
        System.out.println("VALUE AT 4 ROW AND 3 COLUMN : " + value);

        // Change the cell contents using JS
        // JS Executor
        JavascriptExecutor js = (JavascriptExecutor) driver;
        String cssSelectScriptForCell3_3 = "var e
=document.querySelector(\"body > div:nth-child(1) > div:nth-child(4) >
div:nth-child(2) > div:nth-child(3) > div:nth-child(1) > div:nth-child(9) >
table > tbody > tr:nth-child(3) > td:nth-child(3) > strong\");
e.textContent='Bharat Gas'";
        js.executeScript(cssSelectScriptForCell3_3);
    }
}

```