

PRACTICAL NO 05

AIM: Write a program using Selenium WebDriver to provide the total number of objects (links) present or available on a web page. Perform object identification and counting.

Solution:

❖ **Follow the following steps:**

1. Go to Eclipse → Click File → New → Project (from various options need to select just “project”)
2. In Select Wizard → Click Java → “Java Project”
3. Give the project name (e.g. TestWebPage)
4. Do not create module
5. Click Finish – Click Yes
6. Right Click “TestWebPage” create package
7. Click “Java Build Path”
8. Click Libraries tab
9. Click “Add External JARs” button
10. Add two external jar files: selenium-java-client-driver-1.0.2 & selenium-server-standalone-3.5.0
11. Click OK
12. Create a new class file as “CheckLinks” by right click on src folder.
13. **Write the code-**

```
package TestWebPage;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.firefox.FirefoxDriver;
```

```
public class CheckLinks {
```

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

```
    // TODO Auto-generated method stub
```

```
    System.setProperty("webdriver.gecko.driver", "C:\\Users\\rhucha1\\eclipse-  
workspace\\Selenium Drivers\\geckodriver.exe");
```

```
    FirefoxDriver driver = new FirefoxDriver();
```

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

```
    driver.get("http://www.microsoft.com");
```

```
    java.util.List<WebElement>
```

```
    links = driver.findElements(By.tagName("a"));
```

```
    System.out.println("Total links are "+links.size());
```

```
    for (int i=0;i<links.size();i++)
```

```
    {
```

```
        System.out.println("Link" +i+ "Link name " +links.get(i).getText());
```

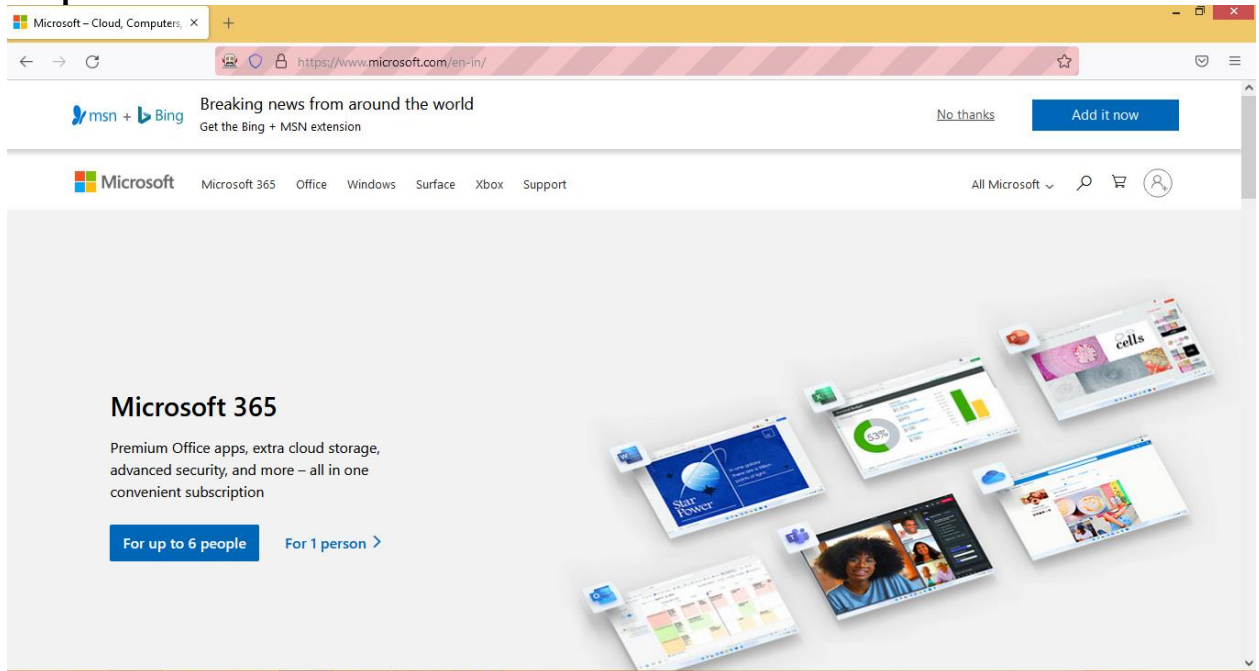
```
    }
```

```
}
```

```
}
```

Rhucha ---->>>> STQA

Output:



```
1660035683103 mozrunner::runner INFO Running command: "C:\\Program Files\\Mozilla Firefox\\firefox.exe" "-marionette" "-foreground" "-no-remote" "-p:
1660035683686 Marionette INFO Marionette enabled
1660035683695 Marionette INFO Listening on port 49259
JavaScript error: resource://gre/modules/XULStore.jsm, line 68: Error: Can't find profile directory.
console.warn: SearchSettings: "get: No settings file exists, new profile?" (new NotFoundError("Could not open the file at C:\\Users\\rhucha1\\AppData\\Local\\T
Aug 09, 2022 2:31:28 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
JavaScript warning: https://ft.microsoft.com/tags?session_id=2df3f5e1-eea2-475d-8f43-42ed80b21910, line 5: WEBGL_debug_renderer_info is deprecated in Firefox ;
JavaScript error: https://ft.microsoft.com/tags?session_id=2df3f5e1-eea2-475d-8f43-42ed80b21910, line 5: NS_ERROR_FAILURE:
Total links are 120
JavaScript warning: https://www.microsoft.com/etc.clientlibs/microsoft/components/structure/page/clientlibs/experimentation.ACSHASH895e2a12062f1ee44d7d2d26690
Link0Link name Add it now
Link1Link name
Link2Link name Microsoft
Link3Link name Microsoft 365
Link4Link name Office
Link5Link name Windows
Link6Link name Surface
Link7Link name Xbox
Link8Link name Support
Link9Link name
Link10Link name
Link11Link name
Link12Link name
Link13Link name
Link14Link name
Link15Link name
Link16Link name
Link17Link name
Link18Link name
Link19Link name
Link20Link name
Link21Link name
```