Practical 7

Aim: Write a program using Selenium WebDriver to provide the total number of objects present or available on a web page
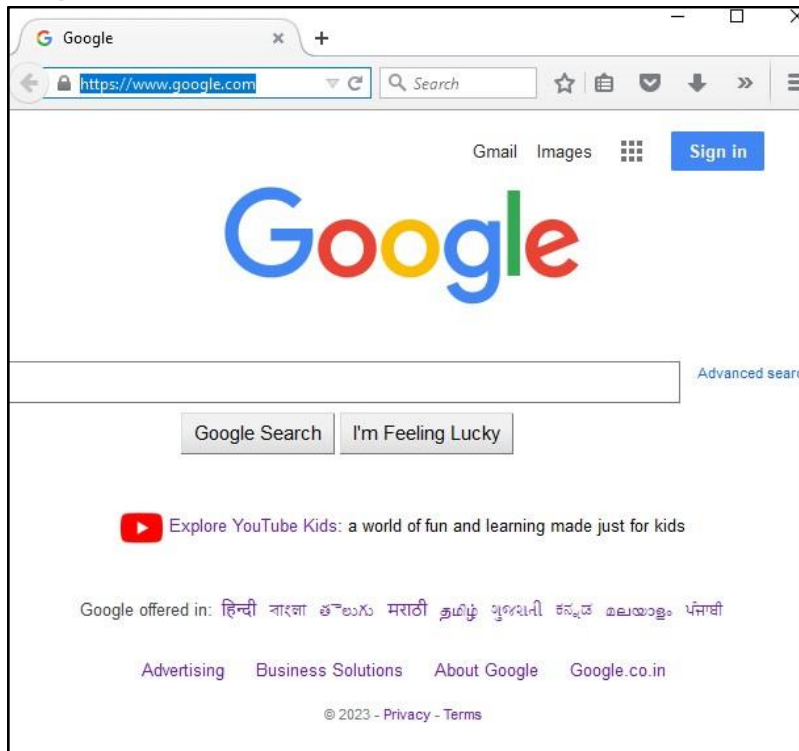**Requirements: Selenium Jar files, geckodriver.exe, Netbeans IDE 8.1 or 8.2**

Code: OC.java

```java
package oc;
import org.openqa.selenium.By;
import org.openqa.selenium.Platform;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.remote.DesiredCapabilities;

public class OC {
static String driverPath = "D:\\selenium\\geckodriver.exe";
public static WebDriver driver;
public static void main(String args[])
{
String driverPathStr = driverPath;
System.setProperty("webdriver.gecko.driver", driverPathStr);
DesiredCapabilities capabilities = new DesiredCapabilities();
capabilities = DesiredCapabilities.firefox();
capabilities.setBrowserName("firefox");
capabilities.setVersion("38.0.5");
capabilities.setPlatform(Platform.WINDOWS);
capabilities.setCapability("marionette", false);
driver= new FirefoxDriver(capabilities);
driver.get("https://www.google.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=i+1)
{
System.out.println("Link "+ i + " Link name "+ links.get(i).getText());
}
}
}
```

Output:


```
Output - OC (run)  ✕
    Link 7 Link name □□□□□
    Link 8 Link name □□□□□□
    Link 9 Link name मराठी
    Link 10 Link name □□□□□
    Link 11 Link name □□□□□□□
    Link 12 Link name □□□□
    Link 13 Link name □□□□□□
    Link 14 Link name □□□□□□
    Link 15 Link name Advertising
    Link 16 Link name Business Solutions
    Link 17 Link name About Google
    Link 18 Link name Google.co.in
    Link 19 Link name Privacy
    Link 20 Link name Terms
    BUILD SUCCESSFUL (total time: 7 seconds)
```