**Program for Alerts: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Alerts {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://www.tizag.com/javascriptT/");

driver.findElement(By.xpath(".//\*[@id='cse-search-box']/div/input[3]")).click();

driver.switchTo().alert().accept();

}

}

**Program for All image urls: -**

package basics;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.\*;

public class AllImageurls {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://en.wikipedia.org/wiki/Bird");

List<WebElement> listImages = driver.findElements(By.tagName("img"));

System.out.println("No.of Images"+listImages.size());

for (int n = 0; n < listImages.size(); n++) {

if (!(listImages.get(n).getAttribute("src").equals("")) && !(listImages.get(n).getAttribute("src") == null)) {

System.out.println(listImages.get(n).getAttribute("src"));

}

}

}

}

**Program for Checkboxes: -**

package basics;

import java.util.List;

import org.openqa.selenium.\*;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Checkboxes {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://www.facebook.com/");

List<WebElement> checkboxes = driver.findElements(By.xpath("//input[@type='checkbox']"));

System.out.println("Total checkboxes"+checkboxes.size());

}

}

**Program for conditional Synchronization: -**

package basics;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Conditionalsynchronization {

public static void main(String[] args) throws InterruptedException{

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://www.google.com/");

driver.manage().timeouts().implicitlyWait(40, TimeUnit.SECONDS);

driver.findElement(By.linkText("Gmail")).click();

}

}

**Program for CSS Java: -**

**package basics;**

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

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

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

**public class Css {**

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

**// TODO Auto-generated method stub**

**System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");**

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

**driver.get("https://login.salesforce.com/");**

**driver.findElement(By.cssSelector("input[id='username']")).sendKeys("fewrew");**

**driver.findElement(By.cssSelector("input[id='password']")).sendKeys("fsdfsd");;**

**driver.findElement(By.xpath("//\*[@id='Login']")).click();**

**}**

**}**

**Program for Customized Java: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class customized {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://facebook.com");

driver.findElement(By.xpath("//input[@name='email']")).sendKeys("qaclickacademy");

}

}

**Program for Close and Quit: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.interactions.Actions;

public class DiffCloseAndQuit {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

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

WebElement oWE=driver.findElement(By.linkText("Gmail"));

Actions oAction=new Actions(driver);

oAction.moveToElement(oWE);

oAction.contextClick(oWE).sendKeys(Keys.ARROW\_DOWN).sendKeys(Keys.ENTER).build().perform();

driver.close();

//driver.quit();

}

}

**Program for Drag and Drop: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.interactions.Actions;

public class DiffCloseAndQuit {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

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

WebElement oWE=driver.findElement(By.linkText("Gmail"));

Actions oAction=new Actions(driver);

oAction.moveToElement(oWE);

oAction.contextClick(oWE).sendKeys(Keys.ARROW\_DOWN).sendKeys(Keys.ENTER).build().perform();

driver.close();

//driver.quit();

}

}

**Program for Dropdown: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.Select;

public class Dropdown {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://automate-apps.com/how-to-select-an-option-from-a-drop-down-using-selenium-web-driver/");

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

WebElement element = driver.findElement(By.id("month"));

Select select = new Select(element);

select.selectByVisibleText("Oct");

}

}

**Program for Dynamic: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Dynamic {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://spicejet.com/");

driver.findElement(By.xpath(".//\*[@id='ctl00\_mainContent\_ddl\_originStation1\_CTXT']")).click();

driver.findElement(By.xpath("//a[@value='GOI']")).click();

}

}

**Program for Frames: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Frames {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://netbanking.hdfcbank.com/netbanking/");

System.out.println(driver.getPageSource());

driver.findElement(By.cssSelector(".pwd\_field")).sendKeys("2000");

driver.switchTo().frame(1);

}

}

**Program for Handling popup: -**

package basics;

import org.openqa.selenium.Alert;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Handlingpopups {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://www.ksrtc.in/oprs-web/");

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

driver.findElement(By.id("fromPlaceName")).sendKeys("BANGALORE");

driver.findElement(By.xpath("#searchBtn")).click();

Alert all = driver.switchTo().alert();

System.out.println(all.getText());

all.accept();

}

}

**Program for Opening Browser: -**

package basics;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class helloworld {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

}

}

**Program for Hit url: -**

package basics;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class hiturl {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://qaclickacademy.com");

System.out.println(driver.getTitle());

System.out.println(driver.getPageSource());

System.out.println(driver.getCurrentUrl());

driver.close();

}

}

**Program for Java Script working: -**

package basics;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class JavaScriptWorking {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://www.javascriptkit.com/javatutors/event2.shtml");

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

driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

//driver.findElement(By.xpath("//\*[@id='contentcolumn']/div[1]/table/tbody/tr/td[2]/form/input")).click();

//((JavascriptExecutor) driver).executeScript("inform()");

((JavascriptExecutor) driver).executeScript("documents.getElementsByName('fd0')[0].click()");

}

}

**Program for Locators: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Locator1 {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://qaclickacademy.com");

driver.findElement(By.xpath(".//\*[@id='homepage']/section[2]/div/a")).click();

}

}

**Program for Multiple Window: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Multiplewindow {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://accounts.google.com/SignUp?service=mail&continue=https://mail.google.com/mail/?pc=topnav-about-en");

driver.findElement(By.xpath(".//\*[@id='wrapper']/div[2]/div/div[1]/p/a")).click();

}

}

**Program for Open right mouse: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.\*;

import org.openqa.selenium.interactions.Actions;

public class OpenRightMouse {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://www.google.com/");

WebElement oWE = driver.findElement(By.linkText("About"));

try{

Actions oAction = new Actions(driver);

oAction.moveToElement(oWE);

Thread.sleep(5000);

oAction.contextClick(oWE).sendKeys(Keys.ARROW\_DOWN).sendKeys(Keys.ENTER).build().perform();

}catch(Exception e)

{

System.out.print(e);

}

}

}

**Program for Print url: -**

package basics;

import java.io.IOException;

import java.net.HttpURLConnection;

import java.net. MalformedURLException;

import java.net.URL;

import java.util.List;

import org.openqa.selenium.\*;

import org.openqa.selenium.firefox.\*;

public class Printurls {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://www.google.com/");

List<WebElement> alllinks = driver.findElements(By.tagName("a"));

for(WebElement link:alllinks)

System.out.println(link.getText());

}

}

**Program for Taking screen shot: -**

package basics;

import java.io.\*;

import org.openqa.selenium.\*;

import org.openqa.selenium.firefox.\*;

import org.apache.commons.io.FileUtils;

public class screenshot {

public static void main(String[] args) throws InterruptedException {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver Driver = new FirefoxDriver();

Driver.get("https://www.wikipedia.org/");

File scrFile = ((TakesScreenshot)Driver).getScreenshotAs(OutputType.FILE);

try{

FileUtils.copyFile(scrFile, new File("d://screeny.png"));

}

catch(IOException e){

e.printStackTrace();

}

}

}

**Program for Scroll to element: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.\*;

public class ScrollToElements {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://en.wikipedia.org/wiki/GNOME");

JavascriptExecutor je = (JavascriptExecutor)driver;

je.executeScript("arguments[0].scrollInToView(True);", driver.findElement(By.partialLinkText("cognitive")));

}

}

**Program for Set language: -**

package basics;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.firefox.FirefoxProfile;

public class Setlanguage {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

FirefoxProfile profile = new FirefoxProfile();

profile.setPreference("intl.accept\_languages","fr");

driver = new FirefoxDriver(profile);

driver.get("https://www.google.com/");

}

}

**Program for Synchronization: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Synchronization {

public static void main(String[] args) throws InterruptedException{

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("https://www.google.com/");

Thread.sleep(10000);

driver.findElement(By.linkText("Gmail")).click();

}

}

**Program for Xpath: -**

package basics;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Locator1 {

public static void main(String[] args) {

// TODO Auto-generated method stub

System.setProperty("webdriver.gecko.driver","C:\\Users\\deepthi\\Downloads\\geckodriver-v0.14.0-win64\\geckodriver.exe");

WebDriver driver = new FirefoxDriver();

driver.get("http://qaclickacademy.com");

driver.findElement(By.xpath(".//\*[@id='homepage']/section[2]/div/a")).click();

}

}

**Code for desired capabilities in selenium webdriver: -**

importorg.openqa.selenium.WebDriver;

importorg.openqa.selenium.ie.InternetExplorerDriver;

public class IEtestforDesiredCapabilities {

public static void main(String[] args) {

WebDriver IEdriver = new InternetExplorerDriver();

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

driver.get("http://gmail.com");

driver.quit();

}

}

**Code for Facebook registration using selenium webdrivers**

package Webdriverprgs;  
import org.apache.bcel.generic.Select;  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.firefox.FirefoxDriver;  
import org.openqa.selenium.remote.server.handler.FindElement;  
import org.testng.annotations.Test;  
import org.testng.annotations.BeforeTest;  
import org.testng.annotations.AfterTest;  
  
public class fbregistration {  
    public WebDriver driver;  
  @Test  
  public void f() {  
        
       
    driver.findElement(By.xpath("//\*[@value='First Name']")).sendKeys("sari");  
    driver.findElement(By.xpath("//\*[@value='Last Name']")).sendKeys("chary");  
      
    driver.findElement(By.id("u\_0\_5")).sendKeys("sari@mail.com");  
      
    driver.findElement(By.id("u\_0\_8")).sendKeys("sari@mail.com");  
    driver.findElement(By.id("u\_0\_a")).sendKeys("abc12345");  
    new org.openqa.selenium.support.ui.Select(driver.findElement(By.xpath("//\*[@name='birthday\_day']"))).selectByVisibleText("3");  
      
    new org.openqa.selenium.support.ui.Select(driver.findElement(By.xpath("//\*[@id='month']"))).selectByValue("11");   
      
    new org.openqa.selenium.support.ui.Select(driver.findElement(By.xpath("//\*[@id='year']"))).selectByValue("1987");   
    driver.findElement(By.xpath("//\*[@id='u\_0\_g']/span[1]/label")).click();  
    driver.findElement(By.xpath("//\*[@id='u\_0\_i']")).click();  
         
  }  
  @BeforeTest  
  public void beforeTest() {  
  driver = new FirefoxDriver();  
      driver.get("https://www.facebook.com/");  
      driver.manage().window().maximize();  
  }  
  
  @AfterTest  
  public void afterTest() {  
  }  
  
}