AUTOMATION TESTING

Selenium code in java:

How to write a code in java (eclipse ide) to contact the websites (e.g. Amazon, Facebook etc.) through browser (Chrome, Mozilla Firefox, safari, Microsoft edge)

Code: package selenium;

Example:1

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class Automationtesting {

public static void main(String[] args){

System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

WebDriver driver=new ChromeDriver();

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

Example:2

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class saijava2 {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

WebDriver driver=new ChromeDriver ();

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

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

driver.findElement(By.xpath("//ytd-mini-guide-entry-renderer[@aria-label='Shorts']//yt-icon[@id='icon']//div")).click();

}

}

Example :3

package seleniumprogrames;

import java.time.Duration;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Example1 {

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

// System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

//

// WebDriver driver=new ChromeDriver();

//

//driver.get("https://facebook.com");--- its navigate to the url(Website)

//

// driver.manage().window().maximize();---this method id using for maximize and minimize

// driver.manage().deleteAllCookies();-----use this method for delete all cookies

//driver.get("https://gmail.com"); ---- its navigate to the url(Website)

// Thread.sleep(1000);--Is used to particular webelement process we have to see this method is used.

// driver.navigate().to("http://instagram.com");

// driver.navigate().back();---its navigate to backward

//driver.navigate().forward();

// driver.navigate().refresh();

// Thread.sleep(3000);

// driver.manage().window().minimize();

//driver.findElement(By.xpath("//a[@data-label='header']//span[@class='laptop-desktop-only'][normalize-space()='Create an account']")).click();---- finding a element ina webpage using this locator.

//driver.findElement(By.xpath("//input[@id='firstName']"))

// String pagetittle= driver.getTitle();

// System.out.println("pagetitle");

//driver.close();

// how to get url

// driver.get("http://google.com");//get the google browser

// driver.findElement(By.xpath("//a[normalize-space()='Gmail']")).click();// click on the gmail button

// String expurl,acturl;//checking the url

// expurl="About";

// acturl=driver.getCurrentUrl();

// System.out.println(acturl);

//

// if(acturl.contains(expurl)) {

// System.out.println("Test Pass");}

// else

// {

// System.out.println("Test Fail");

//

System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

WebDriver driver=new ChromeDriver();

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

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

//driver.manage().deleteAllCookies();

//Thread.sleep(1000);

//

//

// driver.findElement(By.linkText("Internet Banking FAQ's")).click();---locator

// driver.navigate().back();

// Thread.sleep(2000);

// driver.findElement(By.id("IMG3")).click();

////

// driver.findElement(By.name("Contact")).sendKeys("9876543293");-- this isa locator .

//

// driver.findElement(By.id("email")).sendKeys("abcdef@gmail.com");

// Thread.sleep(3000);

// driver.findElement(By.id("pass")).sendKeys("9876542378");

// driver.findElement(By.name("login")).click();

// driver.get("http://orangehrm.qedgetech.com/");

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

// //driver.manage().deleteAllCookies();

// driver.findElement(By.id("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.partialLinkText("Welcome Suresh")).click();

// Thread.sleep(5000);

// driver.findElement(By.partialLinkText("Logout")).click();

// driver.quit();

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

// driver.findElement(By.linkText("Sign Up")).click();

// Thread.sleep(3000);

// List<WebElement>links=driver.findElements(By.tagName("a"));----List (means it is a interface in java). <WebElement>(means it isa webelement in selenium libraries). Links( it is a variable name)--- this code meaning is by using the anchor(links tag ‘<a’ ) get all the webpage links and the links are stored in variable.

// System.out.println(links.size());--- to get links total size.

// String linkname=links.get(51).getText();

// for(int i=0; i<links.size();i++)—for loop is used to get all text or values in one by one through using this method.

// {System.out.println(links.get(i).getText());-- get text method.

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

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

// List<WebElement>imageslist=driver.findElements(By.tagName("img"));---- locator used image tag ’<img’.

// System.out.println(imageslist.size());

// driver.get("http://primusbank.qedgetech.com/");

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

// driver.manage().deleteAllCookies();

// Thread.sleep(3000);

// driver.findElement(By.xpath("//\*[@href='aboutus.html']")).click();

//

//

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

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));//it is sleep operation method. This method is applies the total programe.

// driver.findElement(By.linkText("Create new account")).click();

// //Thread.sleep(3000);

// driver.findElement(By.xpath("//\*[@name='sex' and @value='1']")).click();

// //driver.close();

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

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.findElement(By.name("email")).sendKeys("abcdef");

// driver.findElement(By.id("pass")).sendKeys("1234567890");

// driver.findElement(By.xpath("//\*[starts-with(@id,'u\_0\_5')]")).click();//starts-with()

//using to click all checkboxes

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login)");

// driver.findElement(By.name("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.linkText("PIM")).click();

// driver.findElement(By.linkText("Employee List")).click();

// List<WebElement>cheklist=driver.findElements(By.xpath("//\*[starts-with(@id,'ohrmList\_chkSelectRecord')]"));

//

// for(int i=0; i<cheklist.size(); i++)

// {

// cheklist.get(i).click();

// }

//

// this code is using contains way

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

// driver.manage().deleteAllCookies();

// driver.navigate().refresh();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

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

//// driver.findElement(By.xpath("//\*[contains(@placeholder,'or')]")).sendKeys("saikumar");

// driver.findElement(By.cssSelector("(input[aria-label='Email address or phone number']")).sendKeys("hi bammardi");

// driver.findElement(By.cssSelector("(input[placeholder='Password']")).sendKeys("hi bava");

//

}

}

package seleniumprogrames;

import java.time.Duration;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Example1 {

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

// System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

//

// WebDriver driver=new ChromeDriver();

//

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

//

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

// driver.manage().deleteAllCookies();

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

// Thread.sleep(1000);

// driver.navigate().to("http://instagram.com");

// driver.navigate().back();

//driver.navigate().forward();

// driver.navigate().refresh();

// Thread.sleep(3000);

// driver.manage().window().minimize();

//driver.findElement(By.xpath("//a[@data-label='header']//span[@class='laptop-desktop-only'][normalize-space()='Create an account']")).click();

//driver.findElement(By.xpath("//input[@id='firstName']"))

// String pagetittle= driver.getTitle();

// System.out.println("pagetitle");

//driver.close();

// how to get url

// driver.get("http://google.com");//get the google browser

// driver.findElement(By.xpath("//a[normalize-space()='Gmail']")).click();// click on the gmail button

// String expurl,acturl;//checking the url

// expurl="About";

// acturl=driver.getCurrentUrl();

// System.out.println(acturl);

//

// if(acturl.contains(expurl)) {

// System.out.println("Test Pass");}

// else

// {

// System.out.println("Test Fail");

//

System.setProperty("webdriver.chrome.driver", "");

WebDriver driver=new ChromeDriver();

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

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

//driver.manage().deleteAllCookies();

//Thread.sleep(1000);

//

//

// driver.findElement(By.linkText("Internet Banking FAQ's")).click();

// driver.navigate().back();

// Thread.sleep(2000);

// driver.findElement(By.id("IMG3")).click();

////

// driver.findElement(By.name("Contact")).sendKeys("9876543293");

//

// driver.findElement(By.id("email")).sendKeys("abcdef@gmail.com");

// Thread.sleep(3000);

// driver.findElement(By.id("pass")).sendKeys("9876542378");

// driver.findElement(By.name("login")).click();

// driver.get("http://orangehrm.qedgetech.com/");

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

// //driver.manage().deleteAllCookies();

// driver.findElement(By.id("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.partialLinkText("Welcome Suresh")).click();

// Thread.sleep(5000);

// driver.findElement(By.partialLinkText("Logout")).click();

// driver.quit();

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

// driver.findElement(By.linkText("Sign Up")).click();

// Thread.sleep(3000);

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

// System.out.println(links.size());

// String linkname=links.get(51).getText();

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

// {System.out.println(links.get(i).getText());

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

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

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

// System.out.println(imageslist.size());

// driver.get("http://primusbank.qedgetech.com/");

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

// driver.manage().deleteAllCookies();

// Thread.sleep(3000);

// driver.findElement(By.xpath("//\*[@href='aboutus.html']")).click();

//

//

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

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));//it is sleep operation method.

// driver.findElement(By.linkText("Create new account")).click();

// //Thread.sleep(3000);

// driver.findElement(By.xpath("//\*[@name='sex' and @value='1']")).click();

// //driver.close();

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

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.findElement(By.name("email")).sendKeys("abcdef");

// driver.findElement(By.id("pass")).sendKeys("1234567890");

// driver.findElement(By.xpath("//\*[starts-with(@id,'u\_0\_5')]")).click();//starts-with()

//using to click all checkboxes

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login)");

// driver.findElement(By.name("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.linkText("PIM")).click();

// driver.findElement(By.linkText("Employee List")).click();

List<WebElement>cheklist=driver.findElements(By.xpath("//\*[starts-with(@id,'ohrmList\_chkSelectRecord')]"));

//

// for(int i=0; i<cheklist.size(); i++)

// {

// cheklist.get(i).click();

// }

//

// this code is using contains way

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

// driver.manage().deleteAllCookies();

// driver.navigate().refresh();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

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

//// driver.findElement(By.xpath("//\*[contains(@placeholder,'or')]")).sendKeys("saikumar");

// driver.findElement(By.cssSelector("(input[aria-label='Email address or phone number']")).sendKeys("hi bammardi");

// driver.findElement(By.cssSelector("(input[placeholder='Password']")).sendKeys("hi bava");

//

}

}

package seleniumprogrames;

import java.time.Duration;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Example1 {

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

// System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

//

// WebDriver driver=new ChromeDriver();

//

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

//

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

// driver.manage().deleteAllCookies();

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

// Thread.sleep(1000);

// driver.navigate().to("http://instagram.com");

// driver.navigate().back();

//driver.navigate().forward();

// driver.navigate().refresh();

// Thread.sleep(3000);

// driver.manage().window().minimize();

//driver.findElement(By.xpath("//a[@data-label='header']//span[@class='laptop-desktop-only'][normalize-space()='Create an account']")).click();

//driver.findElement(By.xpath("//input[@id='firstName']"))

// String pagetittle= driver.getTitle();

// System.out.println("pagetitle");

//driver.close();

// how to get url

// driver.get("http://google.com");//get the google browser

// driver.findElement(By.xpath("//a[normalize-space()='Gmail']")).click();// click on the gmail button

// String expurl,acturl;//checking the url

// expurl="About";

// acturl=driver.getCurrentUrl();

// System.out.println(acturl);

//

// if(acturl.contains(expurl)) {

// System.out.println("Test Pass");}

// else

// {

// System.out.println("Test Fail");

//

System.setProperty("webdriver.chrome.driver", "");

WebDriver driver=new ChromeDriver();

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

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

//driver.manage().deleteAllCookies();

//Thread.sleep(1000);

//

//

// driver.findElement(By.linkText("Internet Banking FAQ's")).click();

// driver.navigate().back();

// Thread.sleep(2000);

// driver.findElement(By.id("IMG3")).click();

////

// driver.findElement(By.name("Contact")).sendKeys("9876543293");

//

// driver.findElement(By.id("email")).sendKeys("abcdef@gmail.com");

// Thread.sleep(3000);

// driver.findElement(By.id("pass")).sendKeys("9876542378");

// driver.findElement(By.name("login")).click();

// driver.get("http://orangehrm.qedgetech.com/");

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

// //driver.manage().deleteAllCookies();

// driver.findElement(By.id("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.partialLinkText("Welcome Suresh")).click();

// Thread.sleep(5000);

// driver.findElement(By.partialLinkText("Logout")).click();

// driver.quit();

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

// driver.findElement(By.linkText("Sign Up")).click();

// Thread.sleep(3000);

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

// System.out.println(links.size());

// String linkname=links.get(51).getText();

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

// {System.out.println(links.get(i).getText());

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

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

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

// System.out.println(imageslist.size());

// driver.get("http://primusbank.qedgetech.com/");

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

// driver.manage().deleteAllCookies();

// Thread.sleep(3000);

// driver.findElement(By.xpath("//\*[@href='aboutus.html']")).click();

//

//

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

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));//it is sleep operation method.

// driver.findElement(By.linkText("Create new account")).click();

// //Thread.sleep(3000);

// driver.findElement(By.xpath("//\*[@name='sex' and @value='1']")).click();

// //driver.close();

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

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.findElement(By.name("email")).sendKeys("abcdef");

// driver.findElement(By.id("pass")).sendKeys("1234567890");

// driver.findElement(By.xpath("//\*[starts-with(@id,'u\_0\_5')]")).click();//starts-with()

//using to click all checkboxes

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

// driver.manage().deleteAllCookies();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login)");

// driver.findElement(By.name("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.linkText("PIM")).click();

// driver.findElement(By.linkText("Employee List")).click();

List<WebElement>cheklist=driver.findElements(By.xpath("//\*[starts-with(@id,'ohrmList\_chkSelectRecord')]"));

//

// for(int i=0; i<cheklist.size(); i++)

// {

// cheklist.get(i).click();

// }

//

// this code is using contains way

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

// driver.manage().deleteAllCookies();

// driver.navigate().refresh();

// driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

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

//// driver.findElement(By.xpath("//\*[contains(@placeholder,'or')]")).sendKeys("saikumar");

// driver.findElement(By.cssSelector("(input[aria-label='Email address or phone number']")).sendKeys("hi bammardi");

// driver.findElement(By.cssSelector("(input[placeholder='Password']")).sendKeys("hi bava");

//

}

}

Text boxes methods--------------------------------------------------------------------

package webelements;

import java.time.Duration;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Textboxes {

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

System.setProperty("webdriver.chrome.driver", "");

WebDriver driver=new ChromeDriver();

// click() method using

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

driver.manage().deleteAllCookies();

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

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

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

// driver.findElement(By.linkText("Sign in")).click();

// driver.findElement(By.name("identifier")).sendKeys("fauujggjj@gmail.com");

//using sendKeys method

// driver.get("http://flights.qedgetech.com/");

// driver.findElement(By.linkText("Register")).click();

// driver.findElement(By.id("name")).sendKeys("saikumaryerravandla");

// driver.findElement(By.id("contact")).sendKeys("998765442");

// driver.findElement(By.id("email")).sendKeys("saikumar@gmail.com");

// driver.findElement(By.name("dob")).sendKeys("12-09-1995");

// driver.findElement(By.id("flexCheckChecked")).click();

// using clear() method

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

// driver.findElement(By.name("q")).sendKeys("top qa job companies");

// Thread.sleep(3000);

// driver.findElement(By.name("q")).clear();

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

// WebElement search=driver.findElement(By.name("q"));

// search.sendKeys("i love you");

// search.clear();

// using Displayed method

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login");

// driver.findElement(By.name("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

//

// if(driver.findElement(By.linkText("Admin")).isDisplayed())

// {

// System.out.println("test pass");

// }

// else

// {

// System.out.println("the test case is fail");

// }

//

// driver.findElement(By.id("welcome")).click();

// //Thread.sleep(3000);

// driver.findElement(By.linkText("Logout")).click();

// this isa exception handling method(important)

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login");

// driver.findElement(By.name("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

//

// try {

// if(driver.findElement(By.linkText("rana naidu")).isDisplayed())

// {

// System.out.println("test pass");

// }

// }

// catch (Exception e){

// {

// System.out.println("the test case is fail");

// }

// }

// driver.findElement(By.id("welcome")).click();

// //Thread.sleep(3000);

// driver.findElement(By.linkText("Logout")).click();

//get text method

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

// WebElement content=driver.findElement(By.xpath("/html[1]/body[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/div[1]/h2[1]"));

// String con=content.getText();

// System.out.println(content);// it code prints web element path

// System.out.println(con);// it s code prints webelement content like text

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

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

// System.out.println(amazonlinks.size());

//

//// for(WebElement all: amazonlinks)

//// {

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

//// }

// using is Empty method

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

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

// System.out.println(amazonlinks.size());

//

// for(WebElement all: amazonlinks)

// {

// if(!all.getText().isEmpty())

// {System.out.println(all.getText()); }

// }

// this is a get attribute method

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

// WebElement sai=driver.findElement(By.name("btnK"));

// String a=sai.getAttribute("value");

// String b=sai.getAttribute("role");

// String c=sai.getAttribute("type");

// System.out.println("the property value is:"+a);

// System.out.println("the property value is:"+b);

// System.out.println("the property value is:"+c);

// this method is used to get attribute method

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login");

// driver.findElement(By.name("txtUsername")).sendKeys("Admin");

// driver.findElement(By.name("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

// driver.findElement(By.linkText("PIM")).click();

// driver.findElement(By.linkText("Add Employee")).click();

// WebElement number=driver.findElement(By.id("employeeId"));

// String ans=number.getAttribute("value");

// System.out.println("the answer is" + ans);

// this is using is Selected method

// driver.get("http://flights.qedgetech.com/");

// driver.findElement(By.xpath("//a[normalize-space()='Register']")).click();

// WebElement check=driver.findElement(By.id("flexCheckChecked"));

//

// if(!check.isSelected());

// check.click();

//

// agax method

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

// driver.findElement(By.name("q")).sendKeys(" Actor Ramcharan");

// List<WebElement> suggestions=driver.findElement(By.className("G43f7e")).findElements(By.tagName("li"));

//

// System.out.println(suggestions.size());

//

// for(WebElement ramlist:suggestions)

// {

// String R=ramlist.getText();

// System.out.println(R);

// }

// important topic

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

driver.findElement(By.name("q")).sendKeys(" Actor Ramcharan");

List<WebElement> a=driver.findElement(By.className("G43f7e")).findElements(By.tagName("li"));

System.out.println(a.size());

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

{ String b=a.get(i).getText();

if(b.contains("birthday")) {

a.get(i).click();

break;

}

}

}

}

Dropdowns----------------------------------------------------------------

package webelements;

import java.time.Duration;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

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

public class Dropdown {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "");

WebDriver driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// drop down process using select class through object creation

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

// driver.findElement(By.linkText("Create new account")).click();

// Select day=new Select(driver.findElement(By.id("day")));

// day.selectByValue("23");

// Select month=new Select(driver.findElement(By.id("month")));

// month.selectByVisibleText("Sep");

// Select year=new Select(driver.findElement(By.id("year")));

// year.selectByVisibleText("2000");

//

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

// Select drop=new Select(driver.findElement(By.id("searchDropdownBox")));

// drop.selectByIndex(3);

// Select list=new Select(driver.findElement(By.id("searchDropdownBox")));

// list.selectByVisibleText("Baby");

// using try catch method in exception handling

// WebElement ex=driver.findElement(By.id("searchDropdownBox"));

// Select exc=new Select(ex);

// exc.selectByVisibleText("Books");

//

// try

// { Select t=new Select(driver.findElement(By.id("searchDropdownBox")));

// t.selectByVisibleText("gurusaikumar");

//

// }

// catch(Exception e)

// {

// System.out.println("sorry! item not found sorry to say this");

// }

//

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

// Select s=new Select(driver.findElement(By.id("searchDropdownBox")));

// List<WebElement> list=s.getOptions();

// int all=list.size();

// System.out.println(all);

//

// for(WebElement a:list)

// {

// String alllist=a.getText();

// System.out.println(alllist);

// }

//

// for(int i=0; i<=list.size(); i++) {

// String m=list.get(i).getText();

// System.out.println(m);

// }

driver.get("https://www.amazon.in/");

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

Select elementlocation = new Select(element);

List<WebElement> elementlist = elementlocation.getOptions();

//

// String item\_to\_be\_checked = "saikumar";

// boolean itemispresent = false;

//

// for (int i = 0; i < elementlist.size(); i++) {

// if (elementlist.get(i).getText().equalsIgnoreCase(item\_to\_be\_checked)) {

// itemispresent = true;

// break;

// }

//

// }

//

// if (itemispresent) {

// System.out.println(item\_to\_be\_checked + "test pass");

// } else {

// System.out.println(item\_to\_be\_checked + "testfail");

// }

// having exception

// String elist1,elist2;

//

// for(int i=0; i<elementlist.size(); i++) {

//

// elist1=elementlist.get(i).getText();

// elist2=elementlist.get(i+1).getText();

// System.out.println(elist1 + elist2);

// }

// exception clearing method we done

// String elist1, elist2;

//

// for (int i = 1; i < elementlist.size(); i++) {

//

// elist1 = elementlist.get(i-1).getText();

// elist2 = elementlist.get(i).getText();

// System.out.println(elist1 + elist2);

// }

String elist1,elist2;

boolean ordered=true;

for(int i=0; i<elementlist.size(); i++) {

elist1=elementlist.get(i+1).getText();

elist2=elementlist.get(i).getText();

if(elist2.compareToIgnoreCase(elist1)<0)

{

ordered =true;

break;

}

}

if (ordered)

{

System.out.println("all are in ascending order"+ "test pass");

}

else {

System.out.println("all are in desending order"+ "test fail");

}

}

}

package guru;

import java.time.Duration;

import java.util.List;

import java.util.Set;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

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

public class Guru1 {

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

System.setProperty("webdriver.chrome.driver", "chromedriver.exe");

WebDriver driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(20));

// driver.get("http://primusbank.qedgetech.com/");

// driver.findElement(By.linkText("Site Map")).click();

// driver.findElement(By.xpath("//a[@href='home.aspx']")).click();

Table methods-------------------------------------------

// using table methods

// driver.get("https://www.railyatri.in/time-table");

// WebElement traintable=driver.findElement(By.xpath("//table[@class='table table-condensed']"));// identify the whole table

// List<WebElement> rows,colums;

//

// rows=traintable.findElements(By.tagName("tr"));

//

// for(int i=1; i<rows.size(); i=i+1)

// {

// colums = rows.get(i).findElements(By.tagName("td"));

//

// for(int j=0; j<colums.size(); j++)

// {

// String data=colums.get(j).getText();

// System.out.println(" "+data+" " );

// Another example of table method

// driver.get("http://orangehrm.qedgetech.com/symfony/web/index.php/auth/login");

//

// driver.findElement(By.id("txtUsername")).sendKeys("Admin");

// driver.findElement(By.id("txtPassword")).sendKeys("Qedge123!@#");

// driver.findElement(By.id("btnLogin")).click();

//

// driver.findElement(By.linkText("PIM")).click();

// driver.findElement(By.linkText("Add Employee")).click();

//

// driver.findElement(By.id("firstName")).sendKeys("guru");

// driver.findElement(By.id("middleName")).sendKeys("sai");

// driver.findElement(By.id("lastName")).sendKeys("kumar");

// String empid=driver.findElement(By.id("employeeId")).getAttribute("value");

// driver.findElement(By.id("btnSave")).click();

// Thread.sleep(3000);

//

// driver.findElement(By.linkText("Employee List")).click();

// driver.findElement(By.id("empsearch\_id")).sendKeys(empid);

// Thread.sleep(2000);

// driver.findElement(By.id("searchBtn")).click();

//

// WebElement table=driver.findElement(By.id("resultTable"));

//

// List<WebElement> rows,cols;

//

// rows=table.findElements(By.tagName("tr"));

//

// for(int i=1; i<rows.size(); i++)

// {

// cols=rows.get(i).findElements(By.tagName("td"));

//

// if(cols.get(i).getText().equals(empid))

// {

// System.out.println("a new employeer is regiestered succsusful="+ "TEST PASS ");

// }

// }

//

// Using Select method(dropdown)-----------------------

// driver.get("http://flights.qedgetech.com/");

//

// driver.findElement(By.linkText("Register")).click();

//

// driver.findElement(By.id("name")).sendKeys("Gurusaikumar");

// driver.findElement(By.id("contact")).sendKeys("8790921450");

// driver.findElement(By.id("email")).sendKeys("yerravandla.saikumar@gmail.com");

// Thread.sleep(3000);

// driver.findElement(By.name("password")).sendKeys("00000000000");

//

// Thread.sleep(3000);

//

// Select gender=new Select(driver.findElement(By.name("gender")));

// gender.selectByVisibleText("Male");

//

// driver.findElement(By.name("dob")).sendKeys("23-2-1995");

//

// driver.findElement(By.id("flexCheckChecked")).click();

// driver.findElement(By.name("submit")).click();

//

This isa method of only date creation--------------------

// String dob="23/09/1999";

// String[] date=dob.split("/");

//

// String d=date[0];

// String m=date[1];

// String y=date[2];

//

// System.out.println(d);

// System.out.println(m);

// System.out.println(y);

// check the calender method process-------------

// driver.get("http://flights.qedgetech.com/");

// driver.findElement(By.linkText("Register")).click();

//

// //driver.findElement(By.name("dob")s).click();

// // Thread.sleep(3000);

//

// String dob = "23/Sep/1999";

//

// String[] temp = dob.split("/");

//

// String d = temp[0];

// String m = temp[1];

// String y = temp[2];

//

// driver.findElement(By.name("dob")).click();

//

// Select mlist = new Select(driver.findElement(By.className("ui-datepicker-month")));

// mlist.selectByVisibleText(m);

//

// Select ylist = new Select(driver.findElement(By.className("ui-datepicker-year")));

// ylist.selectByVisibleText(y);

//

// WebElement numtab = driver.findElement(By.className("ui-datepicker-calendar"));

//

// List<WebElement> numrows, numcols;

//

// numrows = numtab.findElements(By.tagName("tr"));

//

// for (int i = 1; i < numrows.size(); i++) {

// numcols = numrows.get(i).findElements(By.tagName("td"));

//

// for (int j = 0; j < numcols.size(); j++) {

// String caldate = numcols.get(j).getText();

//

// if (caldate.equals(d)) {

// numcols.get(j).click();

// break;

// }

// }

// handling the calender dates-----------------------

// driver.get("http://flights.qedgetech.com/");

// driver.findElement(By.name("email")).sendKeys("sureshbabu.qedge@gmail.com");

// driver.findElement(By.name("password")).sendKeys("demo");

// driver.findElement(By.tagName("button")).click();

//

// driver.findElement(By.id("search-date")).click();

//

// String flydate = "23/June/2030";

// String[] temp = flydate.split("/");

//

// String d = temp[0];

// String m = temp[1];

// String y = temp[2];

//

// String ylist = driver.findElement(By.className("ui-datepicker-calendar")).getText();

// ylist = driver.findElement(By.className("ui-datepicker-year")).getText();

//

// while (!ylist.equals(y)) {

// driver.findElement(By.linkText("Next")).click();

// ylist = driver.findElement(By.xpath("//span[@class='ui-datepicker-year']")).getText();

// }

//

// String mlist = driver.findElement(By.className("ui-datepicker-calendar")).getText();

// mlist = driver.findElement(By.className("ui-datepicker-month")).getText();

// // System.out.prinln(mlist);

// while (!mlist.equals(m)) {

// driver.findElement(By.linkText("Next")).click();

// mlist = driver.findElement(By.className("ui-datepicker-month")).getText();

// }

//

// WebElement table = driver.findElement(By.className("ui-datepicker-calendar"));

//

// List<WebElement> flyrows, flycols;

//

// flyrows = table.findElements(By.tagName("tr"));

//

// for (int i = 1; i < flyrows.size(); i++) {

// flycols = flyrows.get(i).findElements(By.tagName("td"));

//

// for (int j = 0; j < flycols.size(); j++) {

// String date = flycols.get(j).getText();

//

// if (date.equals(d)) {

// flycols.get(j).click();

// break;

// }

// }

// }

// Actions methods(mouse operations \_)--------------------

// driver.get("https://jqueryui.com/");

// String mainwindow=driver.getWindowHandle();// window handling method

// driver.findElement(By.linkText("Droppable")).click();

//

// Actions act=new Actions(driver);

// driver.switchTo().frame(driver.findElement(By.className("demo-frame")));

// WebElement src,target;

//

// src=driver.findElement(By.id("draggable"));

// target=driver.findElement(By.id("droppable"));

// act.dragAndDrop(src, target);

// act.build();

// act.perform();

//

// driver.switchTo().window(mainwindow);// this regarding as the window handling

// Thread.sleep(3000);

// driver.findElement(By.linkText("Demos")).click();

//

// single window handle method-----------------------------

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

// String curwindow = driver.getWindowHandle();

// //System.out.println(curwindow);

// String win=driver.getWindowHandle();

// win=driver.

//

////

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

// Set<String> allwindows=driver.getWindowHandles();

// System.out.println(allwindows);

//

// //// important code for multiple window handlingss method---------------------

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

// Set<String> allwindows=driver.getWindowHandles();

// System.out.println(allwindows);

//

// object[] window=allwindows.toArray();

//

// String a=window[0].toString;

// String b=window[1].toString;

// driver.switchTo().window(a);

// driver.findElement(By.linkText("community")).click();

Alert method (\_Pop up messages handling\_\_)-------

// driver.get("http://flights.qedgetech.com/");

//

// driver.findElement(By.name("email")).sendKeys("sureshbabu.qedge@gmail.com");

// driver.findElement(By.name("password")).sendKeys("demo");

// driver.findElement(By.xpath("//button[normalize-space()='Sign In']")).click();

//

// driver.findElement(By.xpath("//a[normalize-space()='Flight Bookings']")).click();

// driver.findElement(By.xpath("//tbody/tr[6]/td[10]/a[3]")).click();

//

// String alet=driver.switchTo().alert().getText();

//

// if(alet.contains("delete")) {

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

// }

// else {

// driver.switchTo().alert().dismiss();

// }

//we delete particular pop up delete throuh code----

driver.get("http://flights.qedgetech.com/");

driver.findElement(By.name("email")).sendKeys("sureshbabu.qedge@gmail.com");

driver.findElement(By.name("password")).sendKeys("demo");

driver.findElement(By.xpath("//button[normalize-space()='Sign In']")).click();

driver.findElement(By.xpath("//a[normalize-space()='Flight Bookings']")).click();

WebElement flighttable=driver.findElement(By.className("flights\_table"));

List<WebElement> rows,cols;

String ordno="6487";

rows=flighttable.findElements(By.tagName("tr"));

for(int i=1; i<rows.size(); i++) {

cols=rows.get(i).findElements(By.tagName("td"));

if(cols.get(0).getText().equals(ordno)) {

cols.get(9).findElement(By.xpath("//tbody/tr[6]/td[10]/a[3]")).click();

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

break;

}

}

}

}