Aim: To perform the course and practise in project

CODE:

Code for the search for practise in course

package com.app.TDD.demo;

import org.testng.Assert;

import org.testng.annotations.Test;

public class ProjectPractise {

@Test

public void findPractise()

{

String course = "Java";

int ExpectedPractise = 20;

PractiseSearch ps = new PractiseSearch();

int count = ps.getPractise(course);

System.out.println(count);

Assert.assertEquals(count, ExpectedPractise);

}

@Test

public void findPractiseEmptyInput()

{

try {

String course = "";

int ExpectedPractise = 0;

PractiseSearch ps = new PractiseSearch();

int count = ps.getPractise(course);

}

catch(NullPointerException e)

{

System.out.println("Course name cannot be empty");

}

}

@Test

public void findPractiseInvalidInput()

{

try {

String course = "Jenkins";

int ExpectedPractise = 7;

PractiseSearch ps = new PractiseSearch();

int count = ps.getPractise(course);

}

catch(NullPointerException e1)

{

System.out.println("Couruse name doesnot exisit in the list");

}

}

}

Code for Search

**package** seleniumdemo;

**import** java.util.ArrayList;

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

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

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** SearchCourse {

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

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

driver.manage().deleteAllCookies();

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

// wait for 2 seconds the page to Load

//driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));

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

driver.findElement(By.*id*("header\_srch")).sendKeys("Artificial Intelligece Engineer");

driver.findElement(By.*id*("header\_srch")).submit();

Thread.*sleep*(2500);

driver.findElement(By.*xpath*("(//\*[@id=\"search-results\"]/div/ul/li[1]/a)")).click();

ArrayList<String> tabs = **new** ArrayList<String>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

Thread.*sleep*(2500);

}

}

OUTPUTS:

A screenshot of a computer

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Description automatically generated

Code for home page for Selenium

package seleniumdemo;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class HomePagesimplilearn {

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

WebDriver driver = new ChromeDriver();

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

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

String title = driver.getTitle();

System.out.println("The title of the page is : " + title);

String url = driver.getCurrentUrl();

System.out.println("The URL of the page is : " + url);

Thread.sleep(1000);

driver.close();

}

}

OUTPUTS:

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Code for search course and select course

package seleniumdemo;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class SearchCourse {

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

WebDriver driver = new ChromeDriver();

driver.manage().deleteAllCookies();

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

// wait for 2 seconds the page to Load

//driver.manage().timeouts().pageLoadTimeout(Duration.ofSeconds(5));

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

driver.findElement(By.id("header\_srch")).sendKeys("Artificial Intelligece Engineer");

driver.findElement(By.id("header\_srch")).submit();

Thread.sleep(2500);

driver.findElement(By.xpath("(//\*[@id=\"search-results\"]/div/ul/li[1]/a)")).click();

ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

Thread.sleep(2500);

}

}

OUTPUT:

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