Program:

package TestNG;

import java.io.File;

import java.io.IOException;

import java.util.concurrent.TimeUnit;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.By;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.TakesScreenshot;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.AfterClass;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.AfterSuite;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.BeforeSuite;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class AnnotationsTestNG {

public WebDriver driver;

@BeforeSuite

public void setUp() throws InterruptedException

{

System.setProperty("webdriver.chrome.driver", "E:/Soft/chrome \_driver1/chromedriver.exe");

driver=new ChromeDriver();

Thread.sleep(2000);

System.out.println("The setup process is completed");

}

@BeforeTest

public void profileSetup()

{

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

System.out.println("The profile setup process is completed");

}

@BeforeClass

public void appSetup()

{

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

System.out.println("The app setup process is completed");

}

@BeforeMethod

public void checkLogin()

{

//Here in username and password field(sendKeys) enter your fb username and password

driver.findElement(By.name("email")).sendKeys("8329080292");

driver.findElement(By.name("pass")).sendKeys("Sandip@123");

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

System.out.println("The login process on facebook test is completed");

}

@Test

public void testCurrentUrl() throws InterruptedException

{

String currentUrl= driver.getCurrentUrl();

Assert.assertEquals(currentUrl, "https://www.facebook.com/");

System.out.println("The url validation test is completed");

}

@AfterMethod

public void screenShot() throws IOException

{

File s =((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

//Here enter the path of bmp file

File d = new File("C:/Users/Admin/Desktop/april\_batch\_screenshot\_file.bmp");

FileUtils.copyFile(s, d);

}

@AfterClass

public void closeUp()

{

driver.close();

System.out.println("The close\_up process is completed");

}

@AfterTest

public void reportReady()

{

System.out.println("Report is ready to be shared, with screenshots of tests");

}

@AfterSuite

public void cleanUp()

{

System.out.println("All close up activities completed");

}

}

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Output:

[RemoteTestNG] detected TestNG version 7.4.0

Starting ChromeDriver 91.0.4472.101 (af52a90bf87030dd1523486a1cd3ae25c5d76c9b-refs/branch-heads/4472@{#1462}) on port 1528

Only local connections are allowed.

Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.

ChromeDriver was started successfully.

Jul 20, 2021 11:59:56 PM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: W3C

The setup process is completed

The profile setup process is completed

The app setup process is completed

The login process on facebooktest is completed

The url validation test is completed

The close\_up process is completed

Report is ready to be shared, with screenshots of tests

PASSED: testCurrentUrl

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Default test

Tests run: 1, Failures: 0, Skips: 0

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All close up activities completed

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Default suite

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0

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