"Create a Cucumber BDD Framework for the website:-

https://demo.guru99.com/test/newtours/

a) The Framework should be created using Inheritance (ie, Base code should be reusable for all test

scripts)

b) POM implementation (Page Factory)

c) Feature files, Step definitions, and Scenarios must be included

d) Global data should be read from the properties file."

**Feature file**

**Feature: Login Functionality**

**Scenario: verify the user can able to login**

**Given user enter url**

**When user enter username and password**

**And click login**

**Then the user able to login successfully**

**Stepdefinition;**

**package stepDefinition;**

**import cucumber.api.java.en.Given;**

**import cucumber.api.java.en.Then;**

**import cucumber.api.java.en.When;**

**import org.junit.Assert;**

**import org.junit.Test;**

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

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

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

**import org.openqa.selenium.ie.InternetExplorerDriver;**

**import pageObjects.PageObjects;**

**import java.io.FileInputStream;**

**import java.io.IOException;**

**import java.util.Properties;**

**public class step {**

**public WebDriver driver;**

**public String browser,url,drivers,path,wait;**

**@Given("^user enter url$")**

**public void user\_enter\_url() throws IOException {**

**FileInputStream fileInputStream = new FileInputStream("C://Users//Dell//IdeaProjects//mavenpro//src//test//java//modularFramework//config.properties");**

**Properties properties = new Properties();**

**properties.load(fileInputStream);**

**browser = properties.getProperty("browser");**

**url = properties.getProperty("url");**

**wait =properties.getProperty("implicitwait");**

**if(browser.equalsIgnoreCase("chrome"))**

**{**

**drivers= properties.getProperty("chromedriver");**

**path=properties.getProperty("chromepath");**

**System.*setProperty*(drivers,path);**

**driver=new ChromeDriver();**

**}**

**else if(browser.equalsIgnoreCase("firefox"))**

**{**

**drivers= properties.getProperty("firefoxdriver");**

**path=properties.getProperty("firefoxpath");**

**System.*setProperty*(drivers,path);**

**driver=new FirefoxDriver();**

**}**

**else if(browser.equalsIgnoreCase("internetexplorer"))**

**{**

**drivers= properties.getProperty("IEdriver");**

**path=properties.getProperty("IEpath");**

**System.*setProperty*(drivers,path);**

**driver=new InternetExplorerDriver();**

**}**

**driver.get("https://demo.guru99.com/test/newtours/");**

**}**

**@When("^user enter username and password$")**

**public void user\_enter\_username\_and\_password() {**

**PageObjects.*userName*.sendKeys("sandhiya");**

**PageObjects.*password*.sendKeys("sandhiya");**

**}**

**@When("^click login$")**

**public void click\_login() {**

**PageObjects.*submit*.click();**

**}**

**@Then("^the user able to login successfully$")**

**public void the\_user\_able\_to\_login\_successfully() {**

**String actualmessage="Login Successfully";**

**String expectedmessage= PageObjects.*successMessage*.getText();**

**Assert.*assertEquals*(actualmessage,expectedmessage,"TESTCASE FAILED");**

**System.*out*.println(expectedmessage);**

**}**

**}**

**Runner class**

**package runner;**

**import cucumber.api.CucumberOptions;**

**import cucumber.api.junit.Cucumber;**

**import org.junit.Assert;**

**import org.junit.runner.RunWith;**

**@RunWith(Cucumber.class)**

**@CucumberOptions(features = "src/test/feature/featureFile.feature",glue="stepDefinition")**

**public class Runner {**

**}**

**Pagefactory**

**package pageObjects;**

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

**import org.openqa.selenium.WebElement;**

**import org.openqa.selenium.support.FindBy;**

**import org.openqa.selenium.support.PageFactory;**

**public class PageObjects {**

**WebDriver driver;**

**PageObjects(WebDriver driver)**

**{**

**this.driver=driver;**

**PageFactory.*initElements*(driver,this);**

**}**

**@FindBy(name="userName")**

**public static WebElement *userName*;**

**@FindBy(name="password")**

**public static WebElement *password*;**

**@FindBy(name="submit")**

**public static WebElement *submit*;**

**@FindBy(xpath = "By.xpath(\"//h3[text()='Login Successfully']\"")**

**public static WebElement *successMessage*;**

**}**

**Propertyfile**

**browser=chrome**

**chromedriver=web driver.chrome.driver**

**firefoxdriver=web driver.gecko.driver**

**IEdriver=web driver.ie.driver**

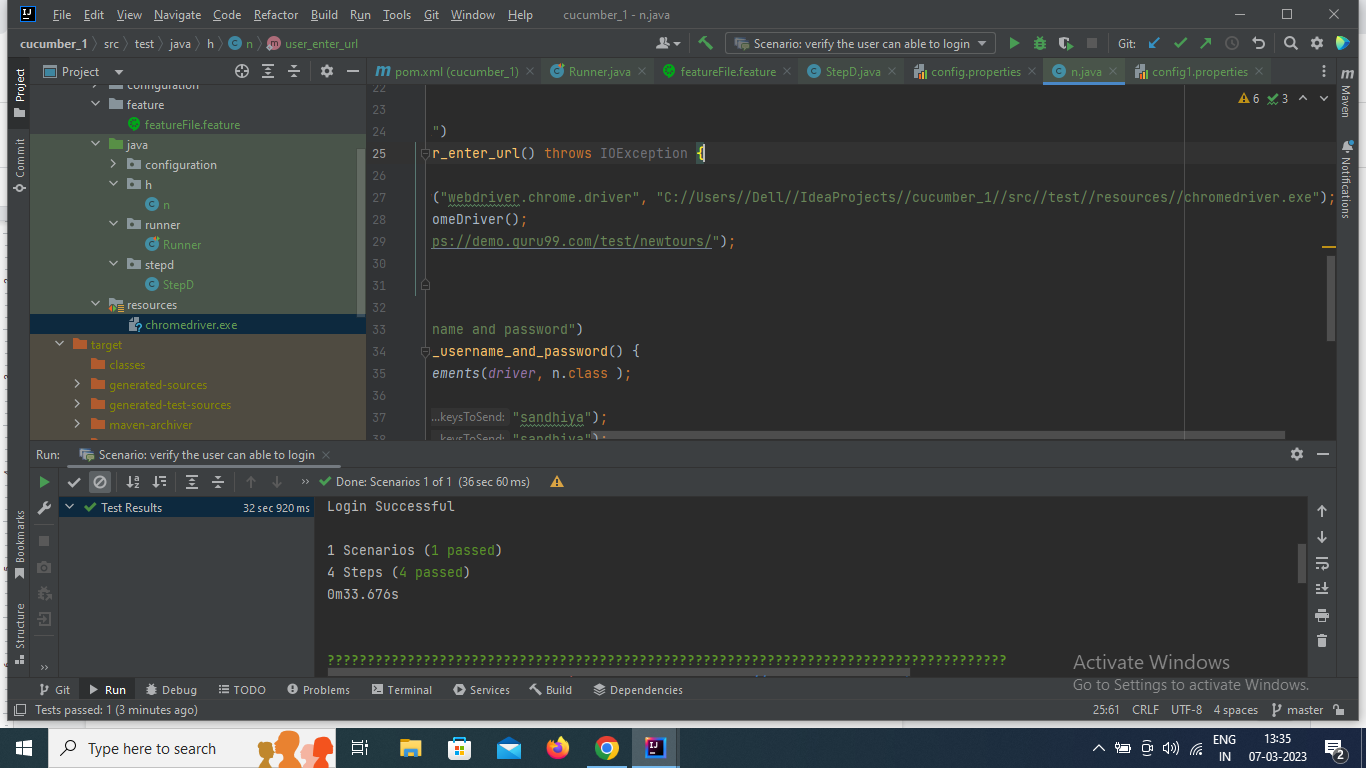
**chromepath=C://Users//Dell//IdeaProjects//cucumber\_1//src//test//resources//chromedriver.exe**

**firefoxpath=src/test/resources/drivers/geckodriver.exe**

**IEpath=src/test/resources/drivers/IEDriverServer.exe**

**url=https://demo.guru99.com/test/newtours/**

**Output:**

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