

## Lesson 02 Demo 02

## **Writing Step Definitions in Java**

**Objective:** To write step definitions in Java for defining executable steps that correspond to the scenarios outlined in the feature files

Tool required: Eclipse IDE

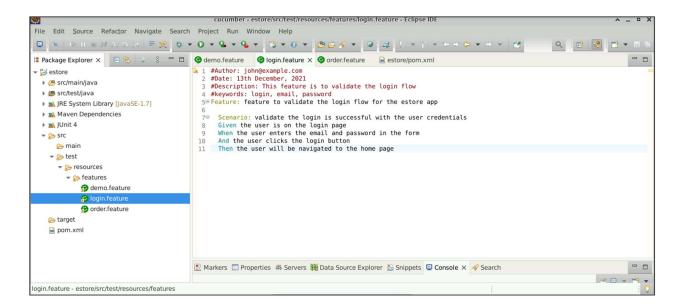
Prerequisites: None

Steps to be followed:

1. Write a step definition in Java

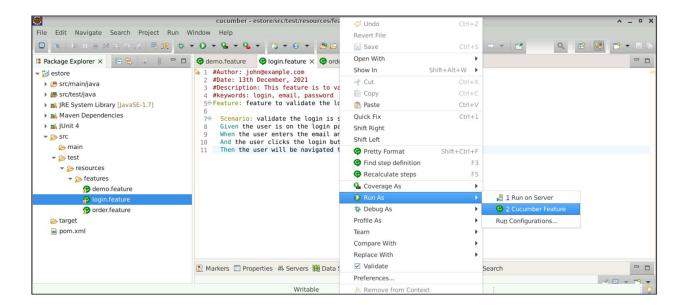
## Step 1: Write a step definition in Java

1.1 Follow the first demo where we executed the test cases with Cucumber. Open the **features** folder and navigate to **login.feature**.

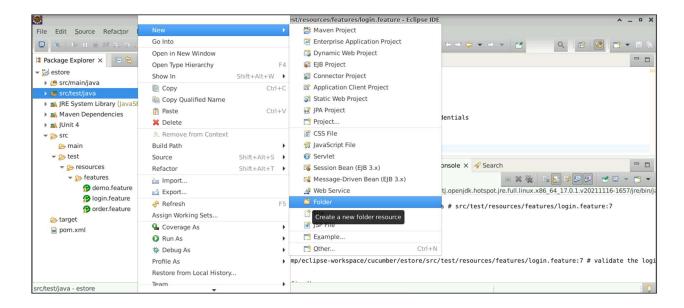




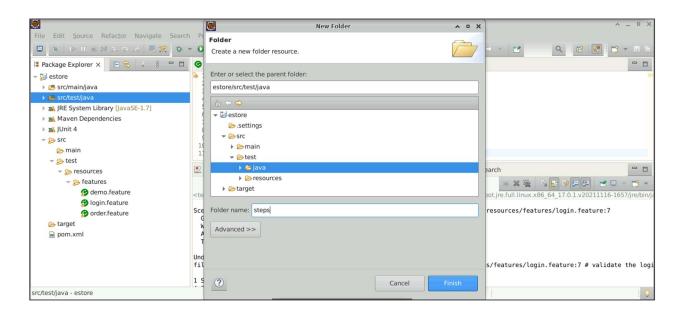
1.2 Right-click and select Run As, and then click on Cucumber Feature



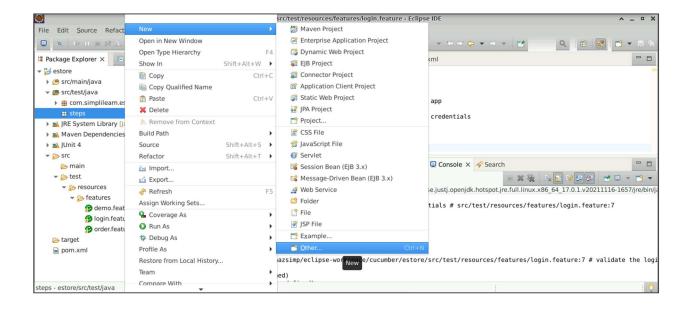
1.3 Now, create a new folder in the src/test/java directory and name it steps



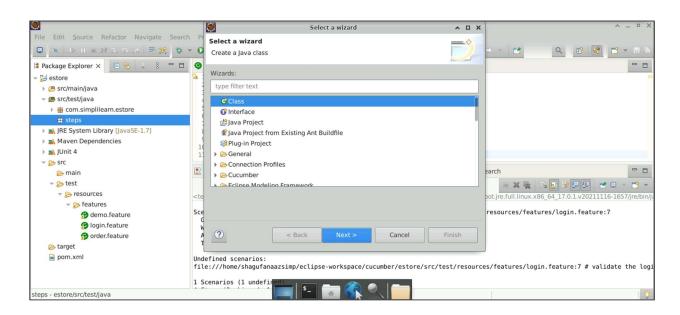




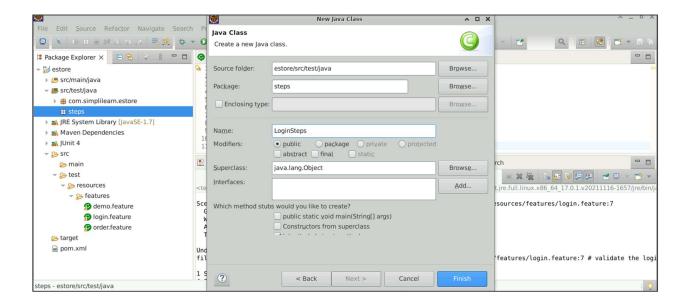
1.4 Right-click on the steps, select New, and then click on Other and choose Class





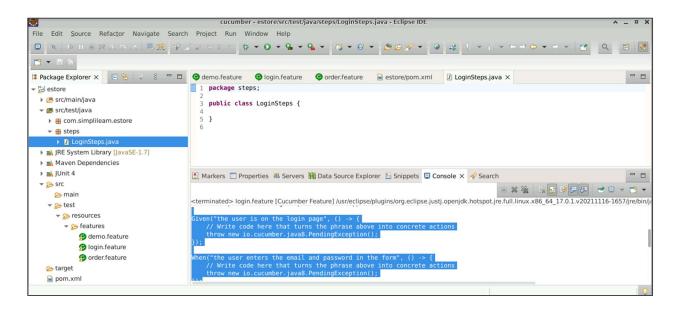


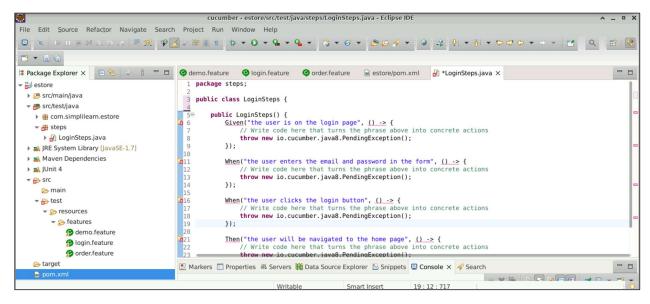
1.5 Create a new Java class in the steps folder and name it LoginSteps





1.6 Copy all the annotations from **login.feature** and paste them into the **Java class** that you created



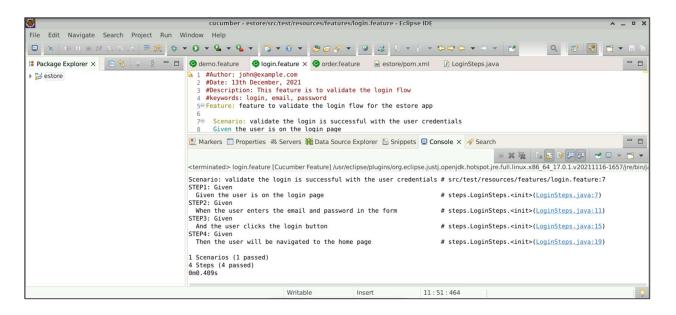




1.7 Remove the dummy code and replace it with **print statements** for all four methods as shown below:

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                                            import io.cucumber.java8.En;
                                            public class LoginSteps implements En {
                                                public LoginSteps() {
    Given("the user is on the login page", () -> {
        System.out.println("STEP1: Given");
}
                                                   When("the user enters the email and password in the form", () -> {
    System.out.println("STEP2: Given");
                                                    When("the user clicks the login button". () -> {
                                                        System.out.println("STEP3: Given");
                                                    Then("the user will be navigated to the home page", () -> {
    System.out.println("STEP4: Given");
                                         19
20
21
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23 }
                                                    3):
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```

1.8 Navigate back to **login.feature**, right-click and select **Run As**, and then click on **Cucumber feature**. The output is shown in the screenshot below:



With this, you have successfully implemented the step definitions in Java.