

## Lesson 02 Demo 01

### Writing Scenario Using the Gherkin Syntax

**Objective:** To write the scenario using Gherkin syntax for creating the feature files and running the Cucumber tests

**Tool required:** Eclipse IDE

**Prerequisites:** None

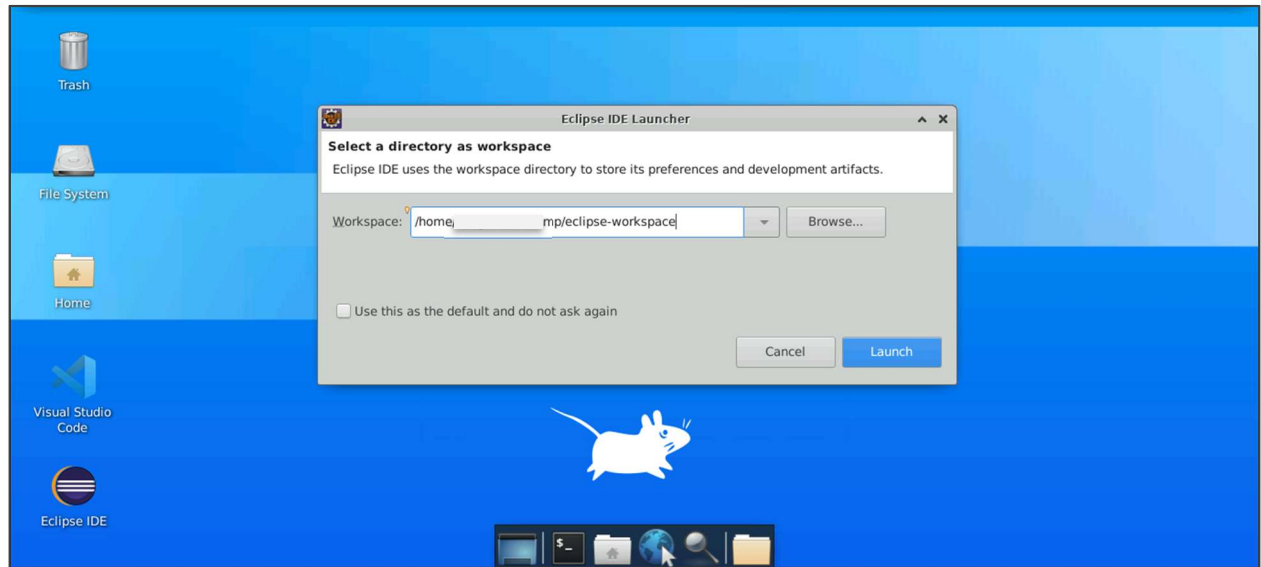
Steps to be followed:

1. Add dependencies to the pom.xml file
2. Create feature files
3. Run Cucumber tests

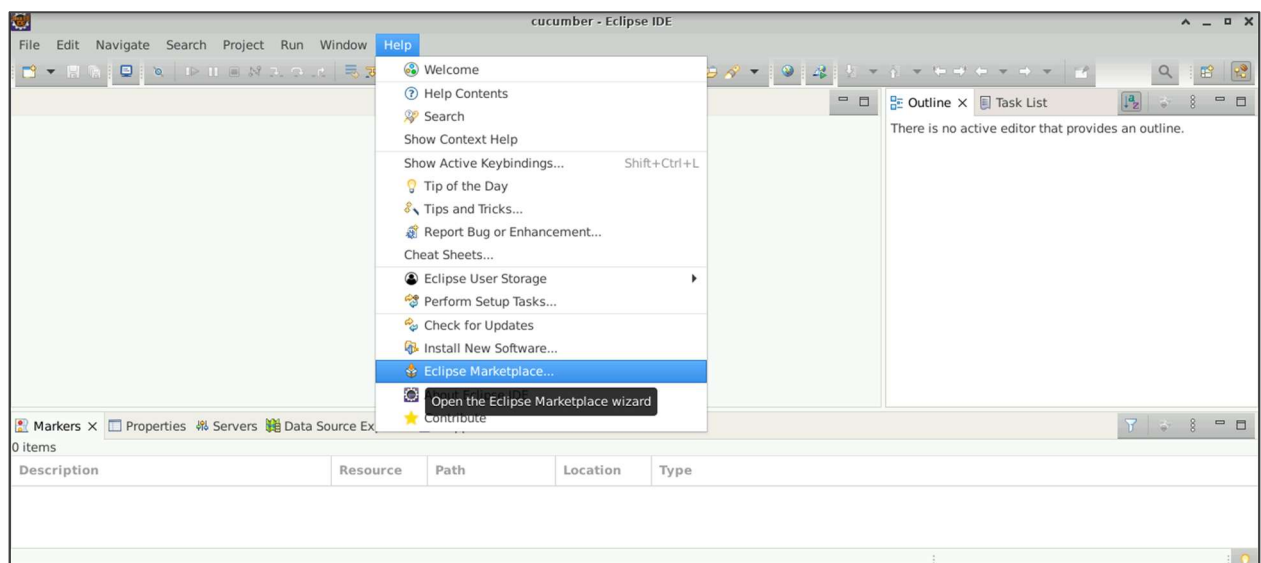
#### Step 1: Add dependencies to the pom.xml file

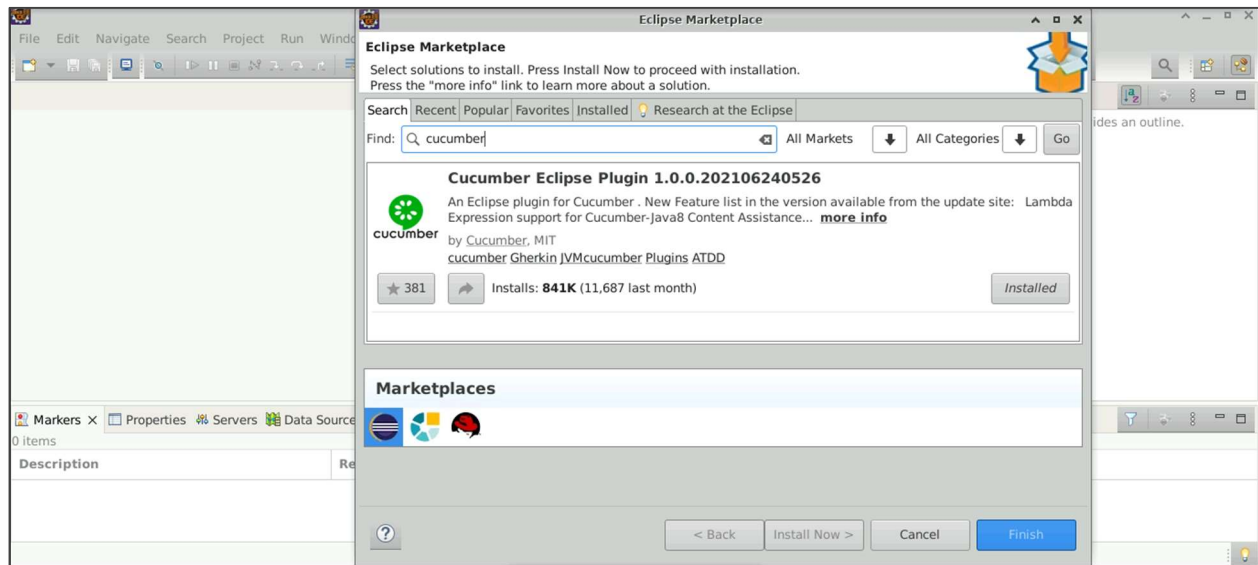
1.1 Open Eclipse IDE and choose a workspace, then click on **Launch**



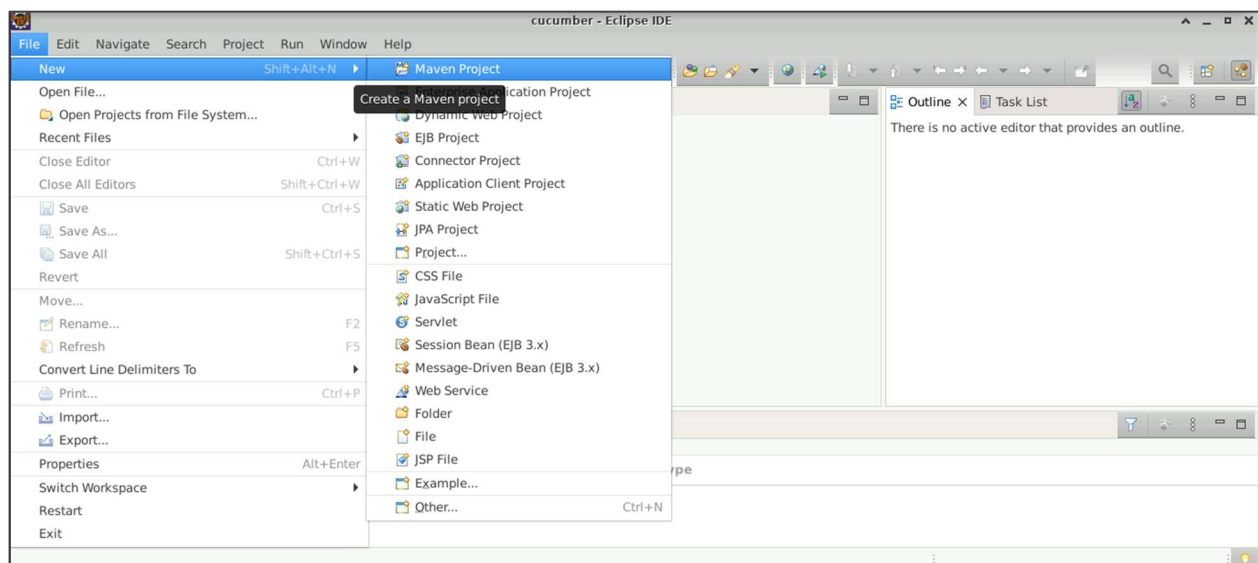


1.2 Go to **Help**, select **Eclipse Marketplace**, and search for Cucumber. Then, click on **Finish**.

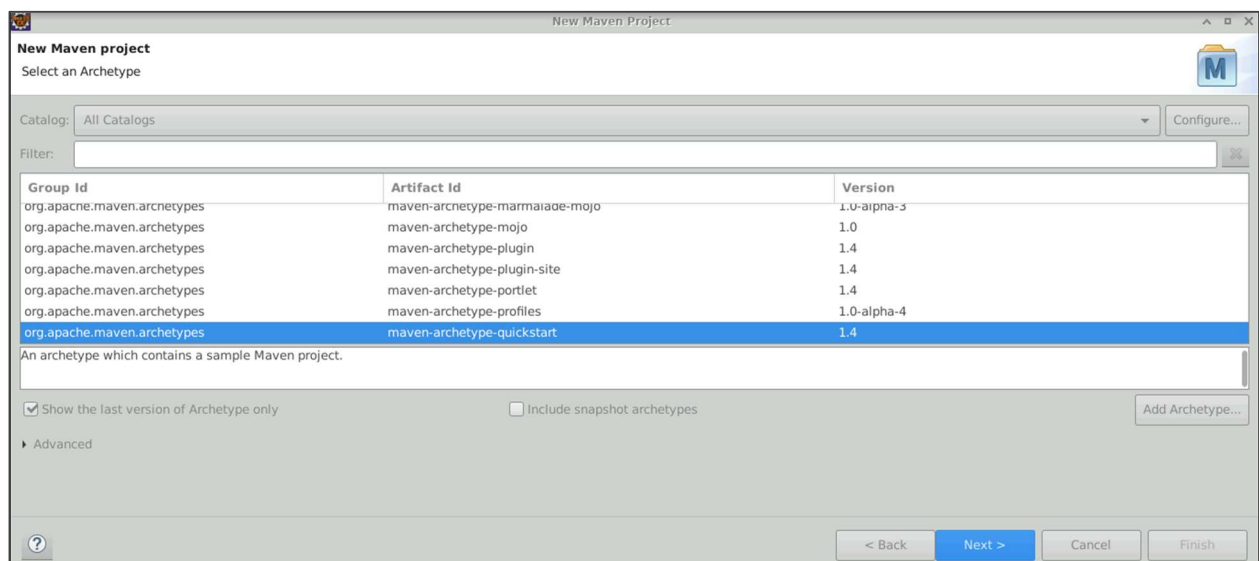
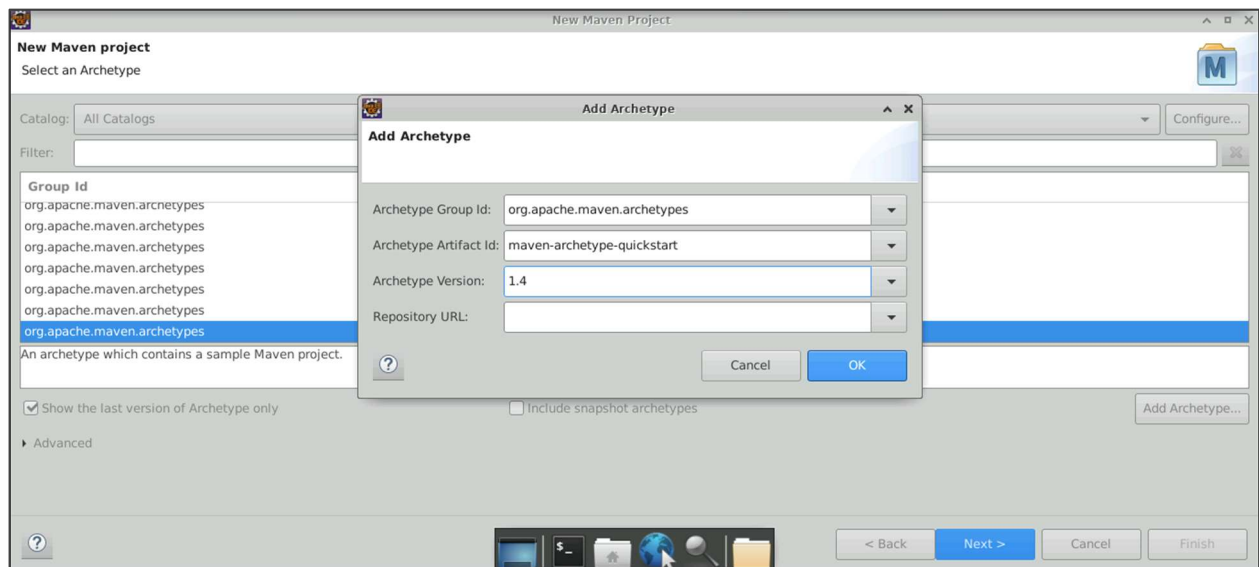




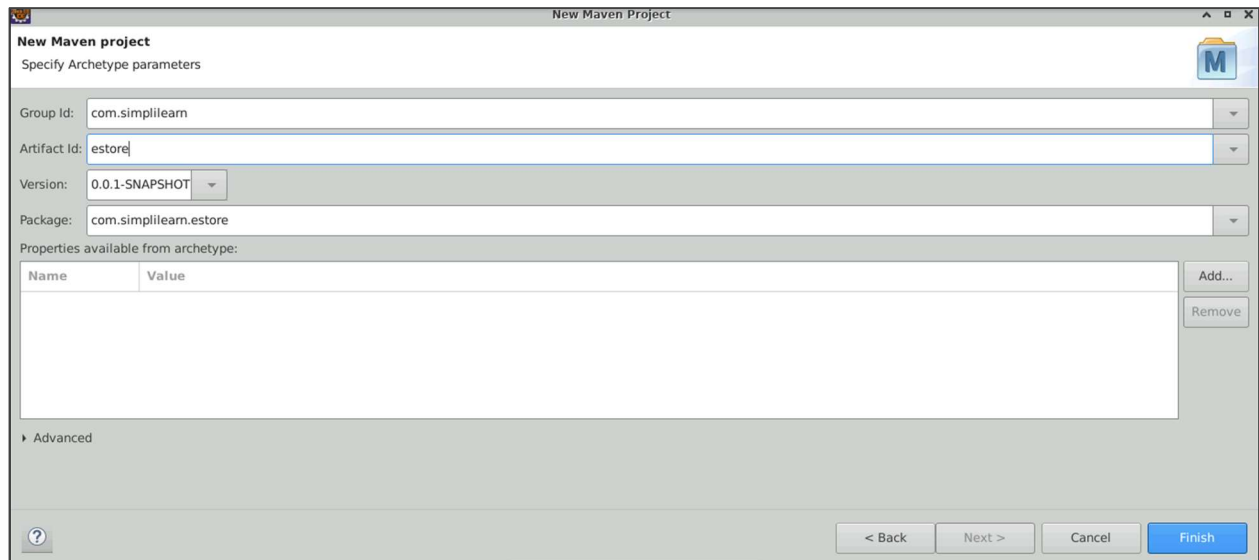
1.3 Click on **File**, select **New**, and then click on **Maven Project**



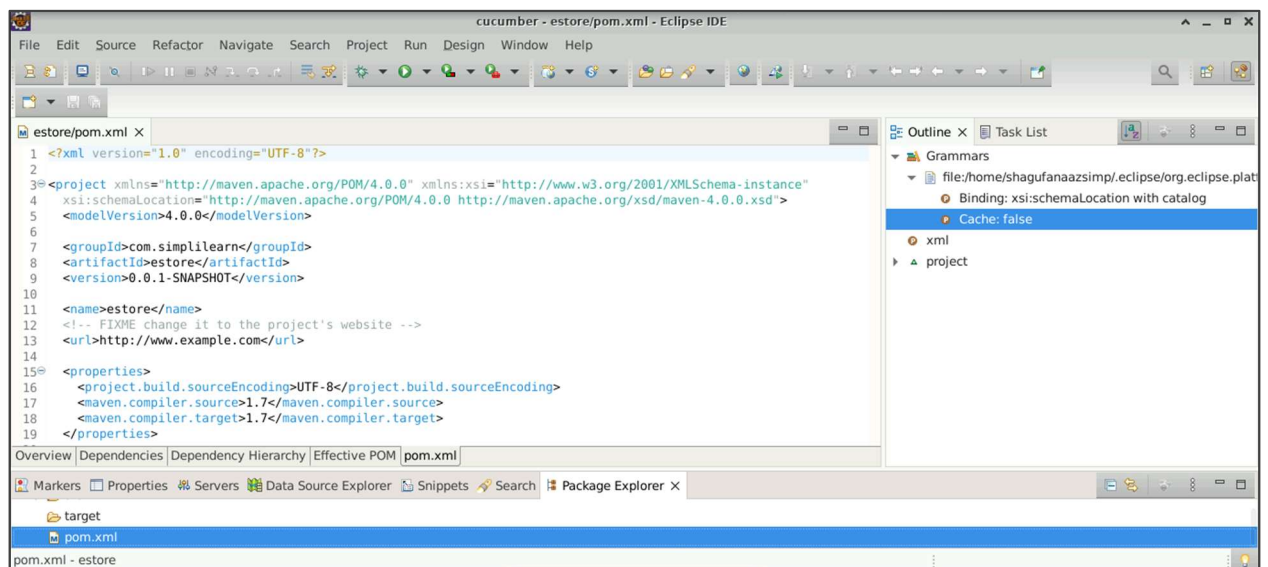
1.4 Click on **Add Archetype** and add the details mentioned in the screenshot below. Then, click **Next**.



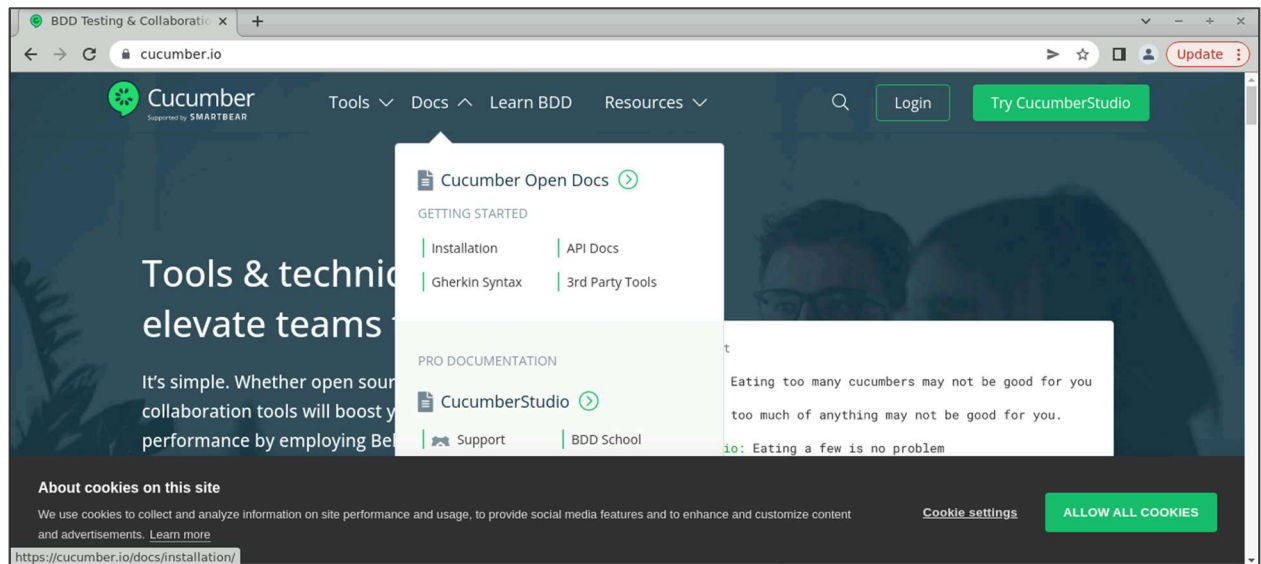
## 1.5 Add a **Group Id** and **Artifact Id**, and then click on **Finish**



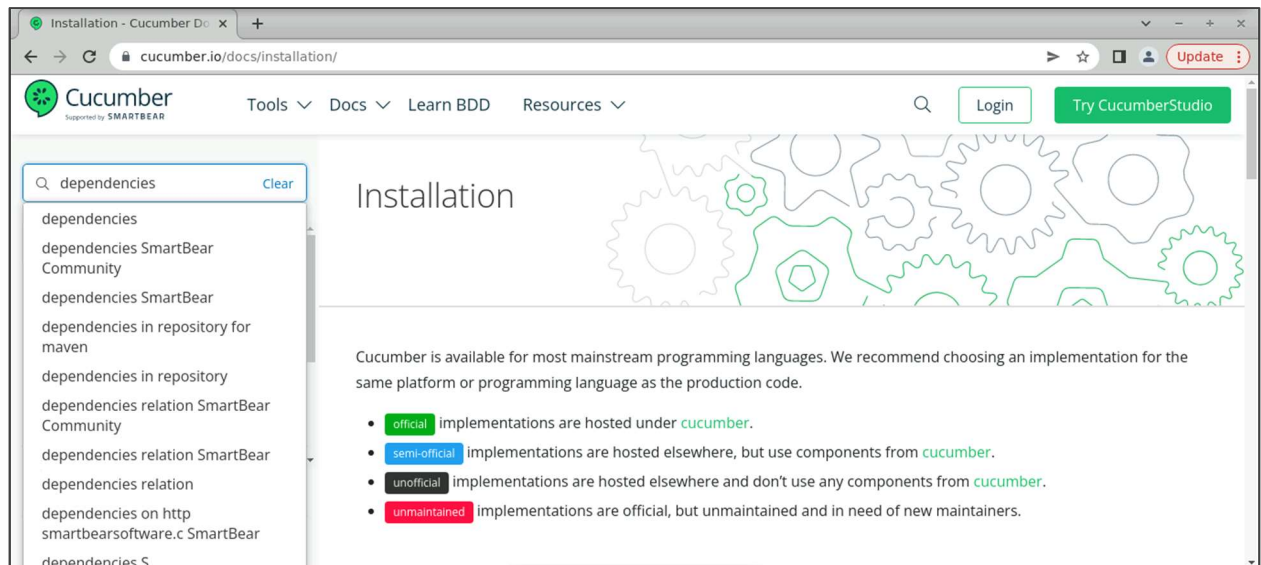
## 1.6 Open the **pom.xml** file by pressing **Alt + Shift + Q**, and then press **P**



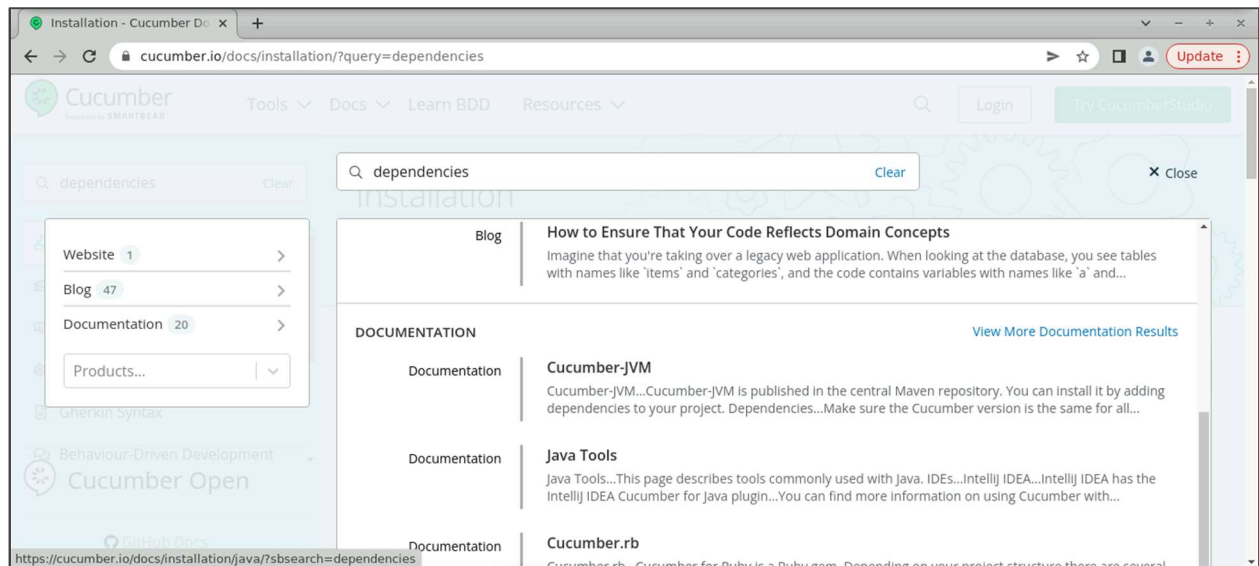
## 1.7 Search for **cucumber.io** in the browser, click on **Docs**, and select **Installation**



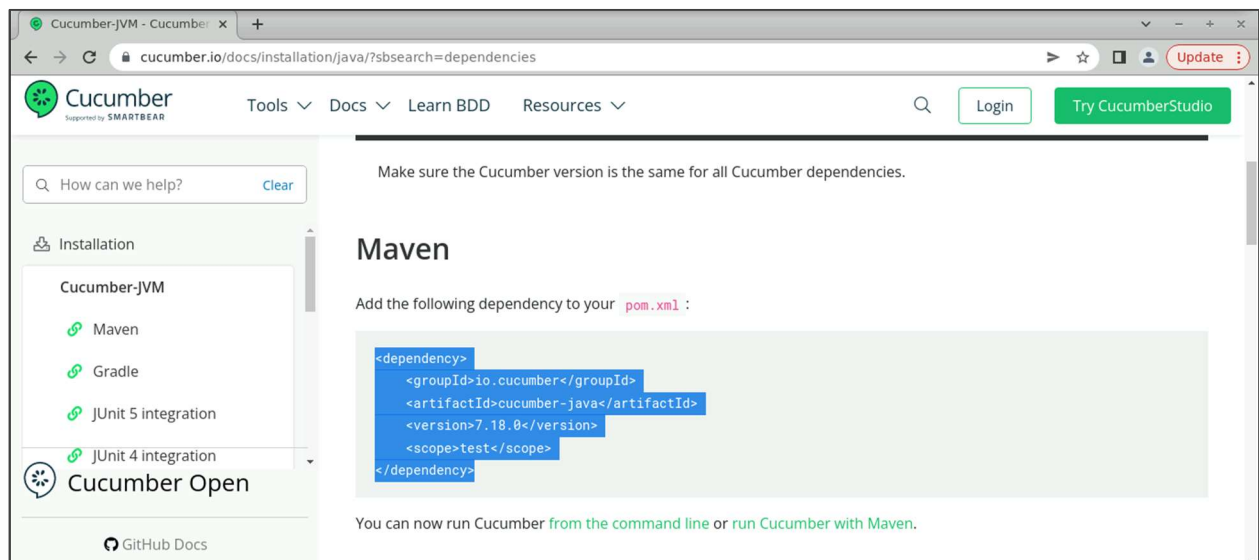
## 1.8 Search and click on **dependencies**



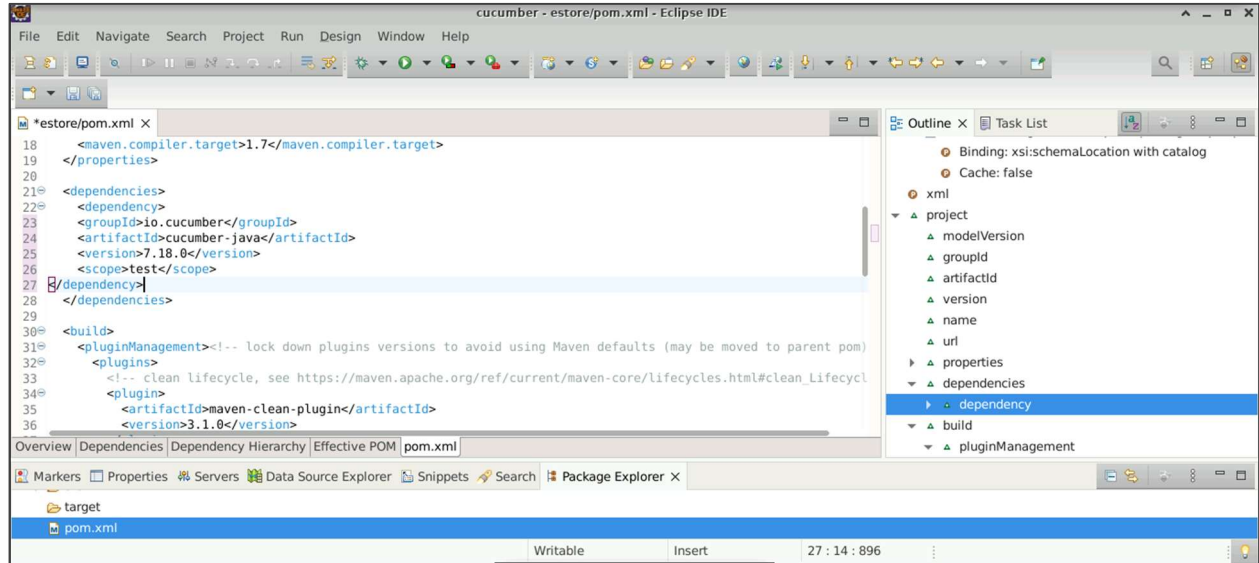
## 1.9 Click on **Cucumber-JVM**



## 1.10 Copy the dependencies tag and paste it into the pom.xml file

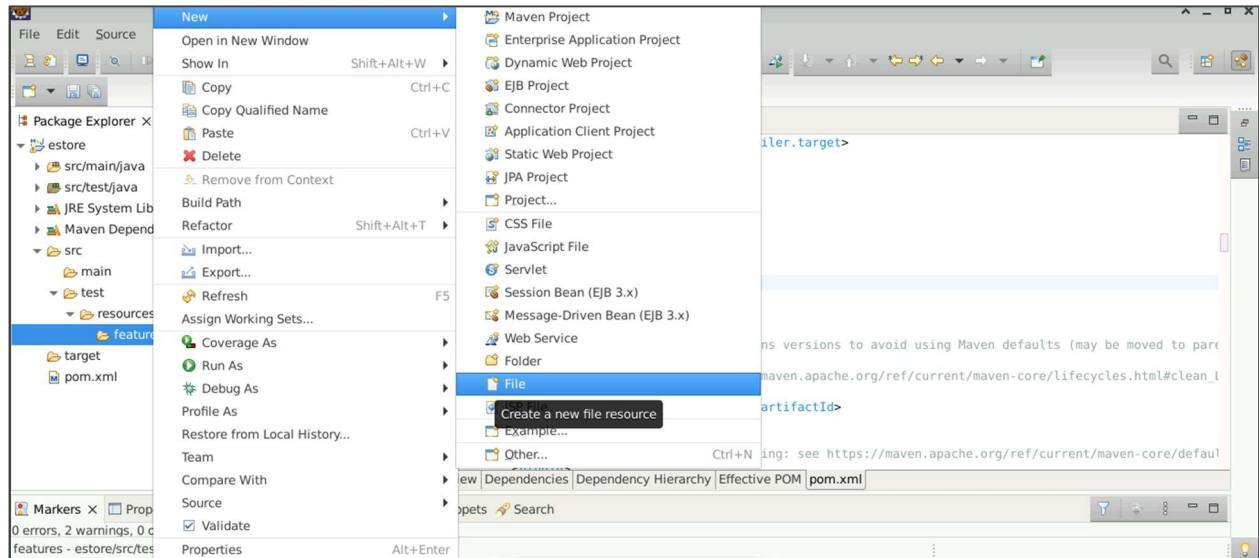




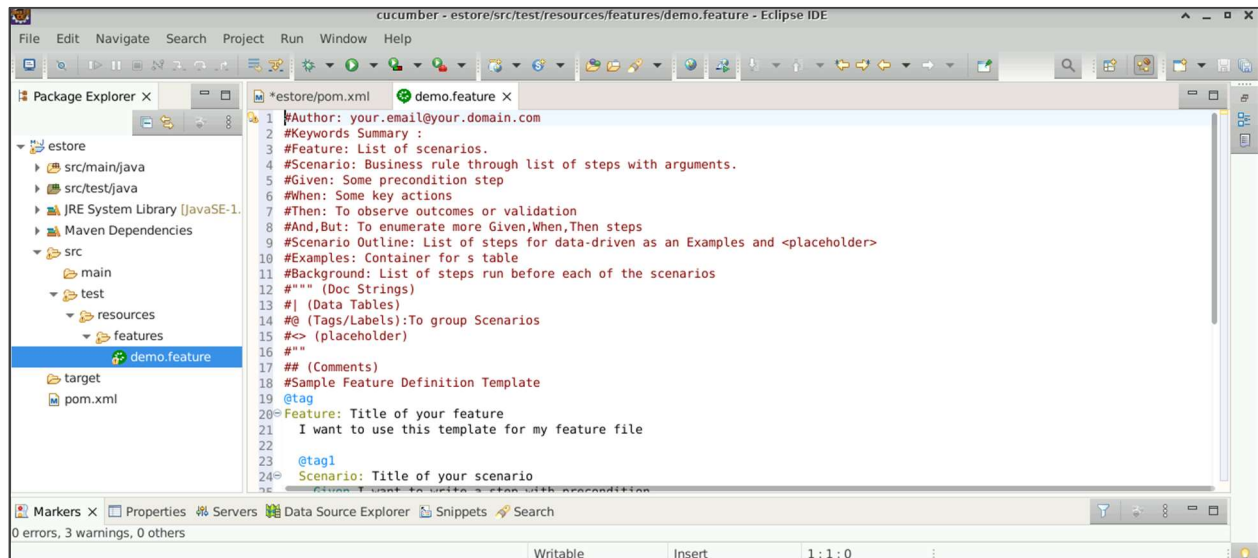


## Step 2: Create feature files

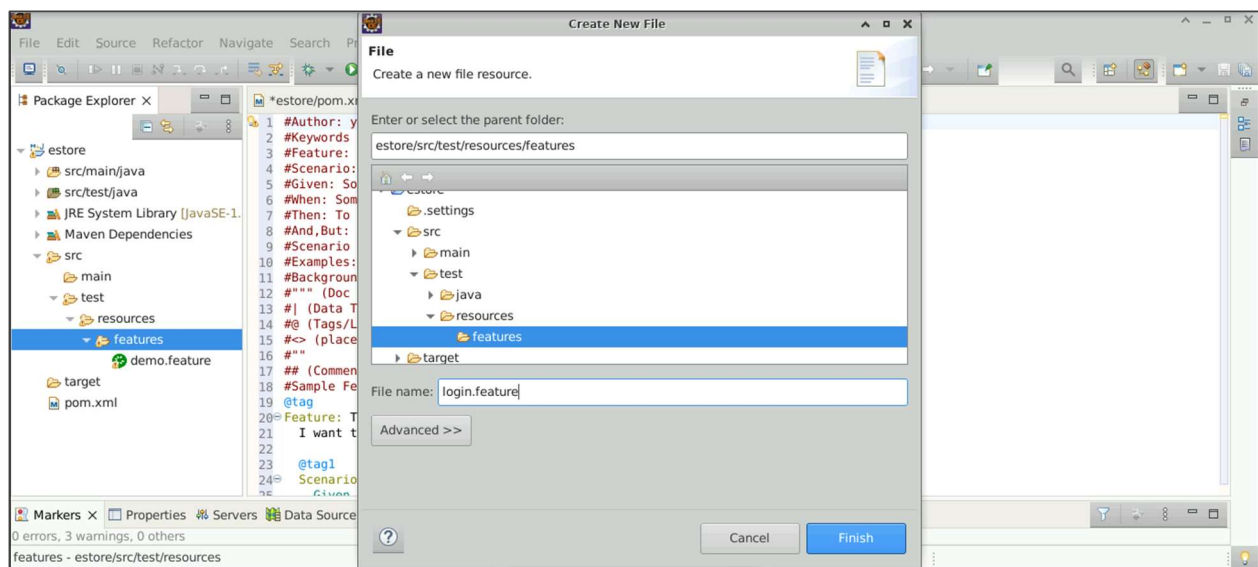
2.1 Create a new folder in the resources directory named **features**. Then, select a new text file and name it as **demo.feature**.







## 2.2 Create another feature file and name it **login.feature**



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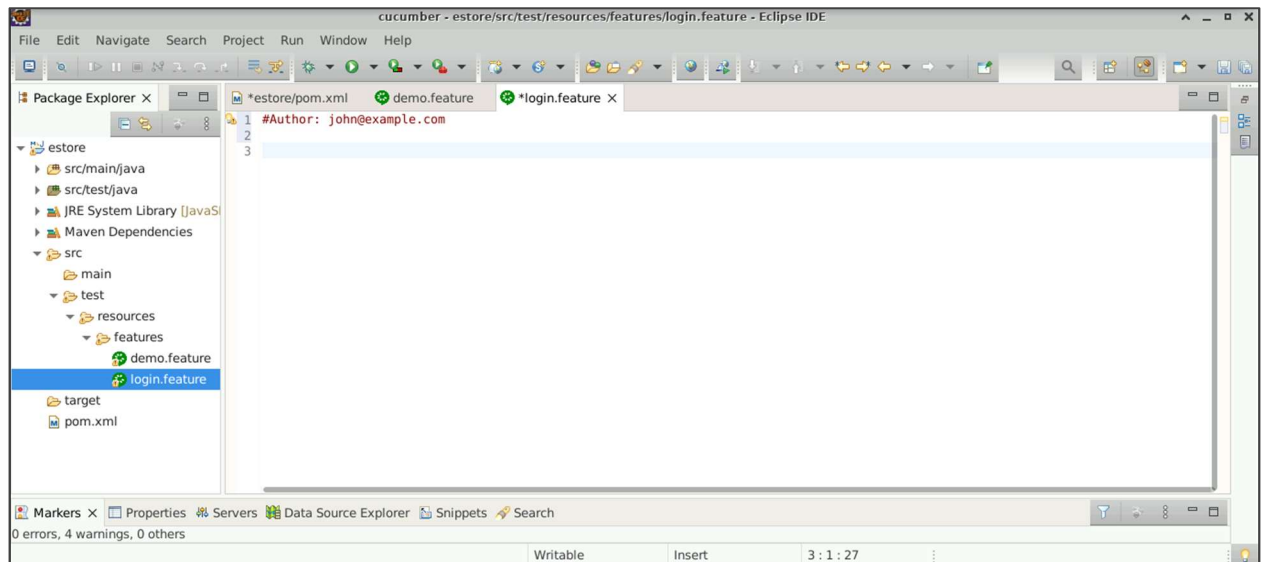
1 #Author: your.email@your.domain.com
2 #Keywords Summary :
3 #Feature: List of scenarios.
4 #Scenario: Business rule through list of steps with arguments.
5 #Given: Some precondition step
6 #When: Some key actions
7 #Then: To observe outcomes or validation
8 #And,But: To enumerate more Given,When,Then steps
9 #Scenario Outline: List of steps for data-driven as an Examples and <placeholder>
10 #Examples: Container for s table
11 #Background: List of steps run before each of the scenarios
12 #""" (Doc Strings)
13 #| (Data Tables)
14 #@ (Tags/Labels):To group Scenarios
15 #<- (placeholder)
16 #""
17 ## (Comments)
18 #Sample Feature Definition Template
19 @tag
20 Feature: Title of your feature
21   I want to use this template for my feature file
22
23 @tag1
24 Scenario: Title of your scenario
25   Given: Some precondition step
26   When: Some key actions
27   Then: To observe outcomes or validation
  
```

## 2.3 Remove all the statements except the first one

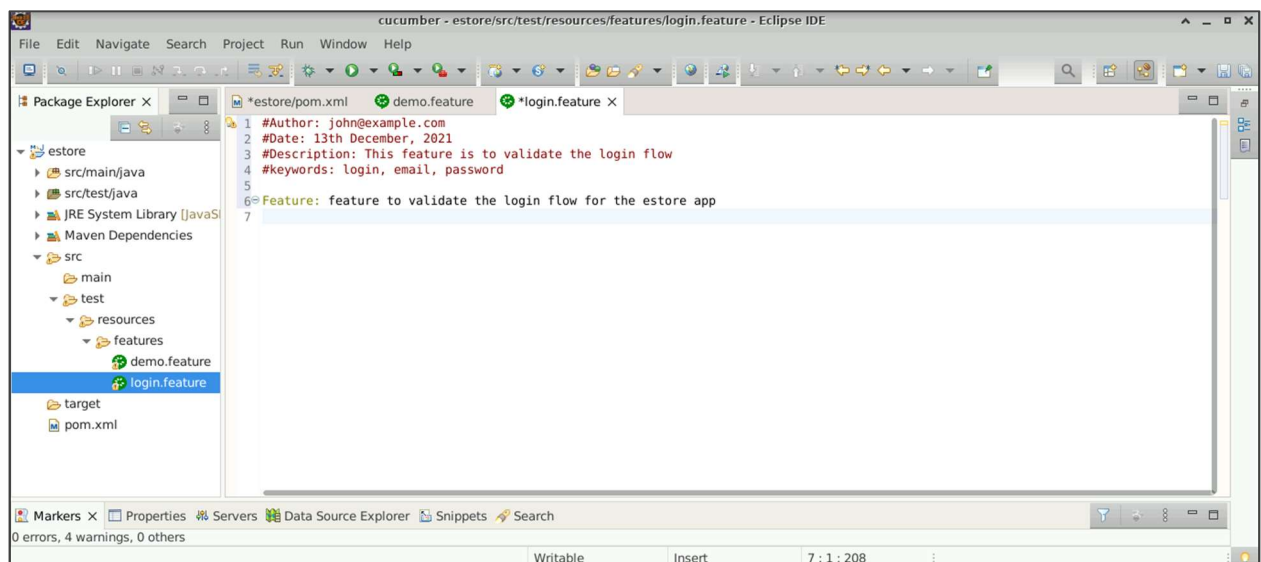
```

1 #Author: your.email@your.domain.com
2 #Keywords Summary :
3 #Feature: List of scenarios.
4 #Scenario: Business rule through list of steps with arguments.
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7 #Then: To observe outcomes or validation
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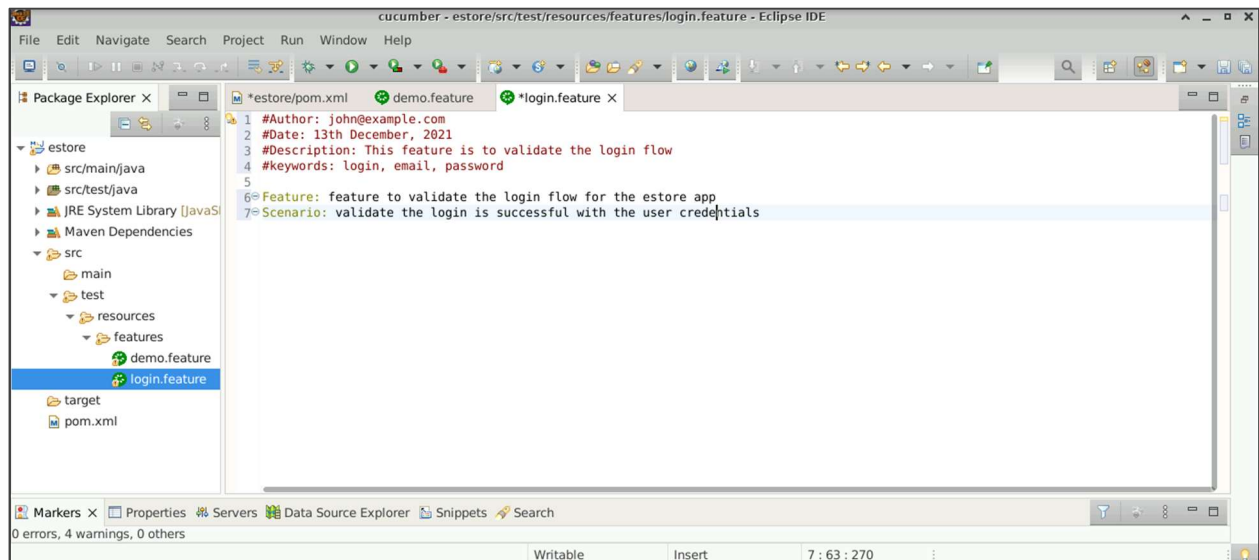
## 2.4 Add the author as john@example.com



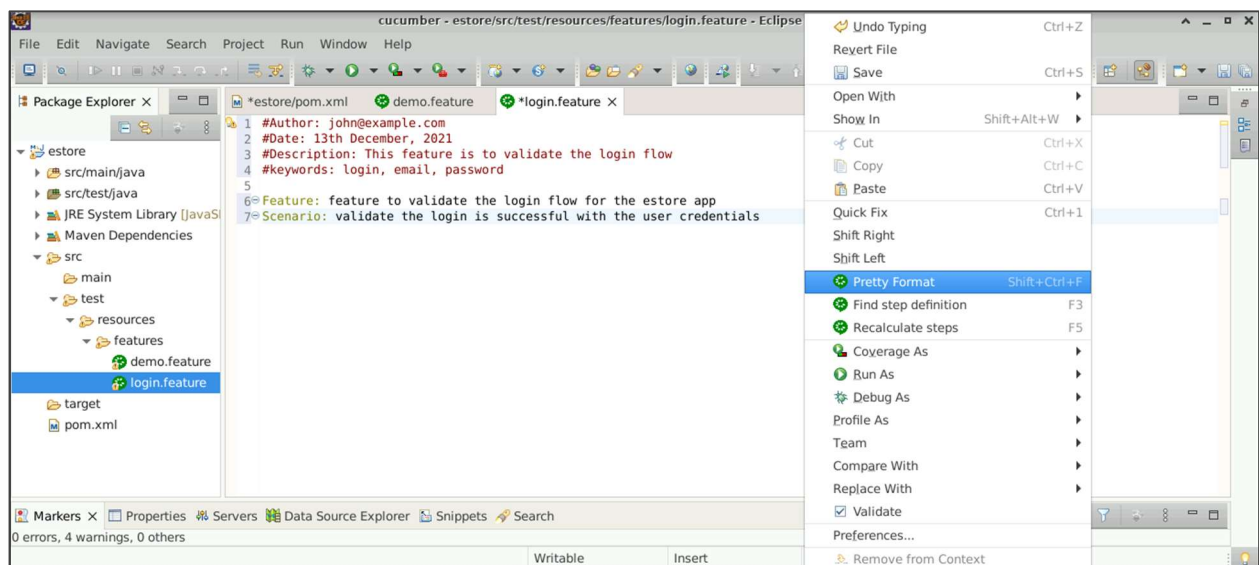
## 2.5 Specify the Date, Description, and Keywords. Then, create and define the Feature.

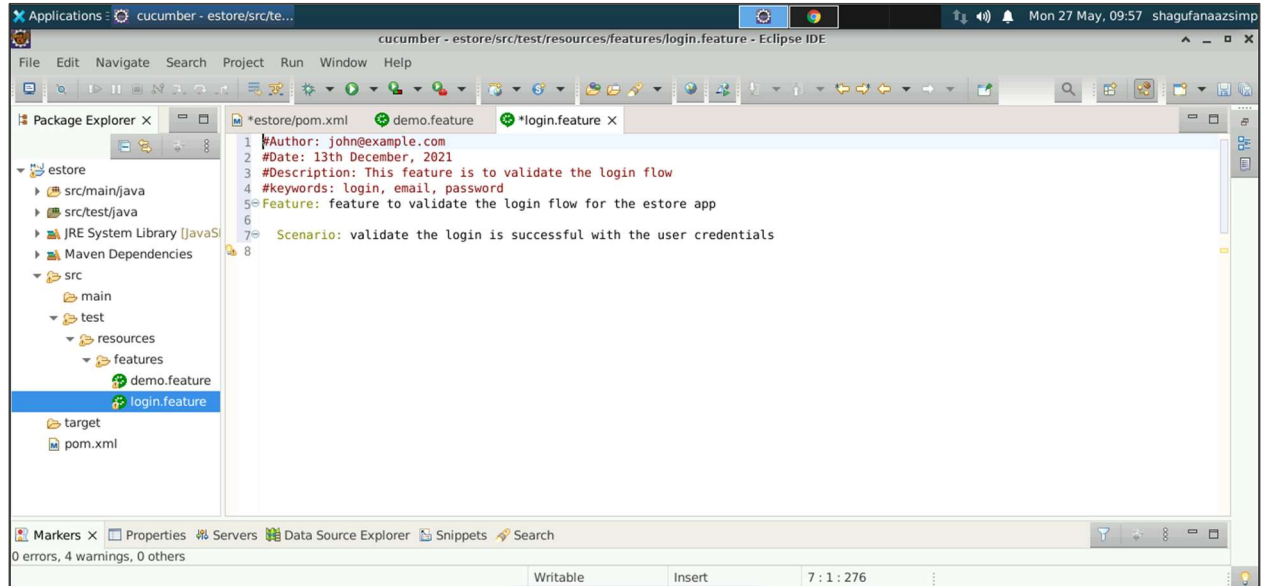


## 2.6 Add a Scenario

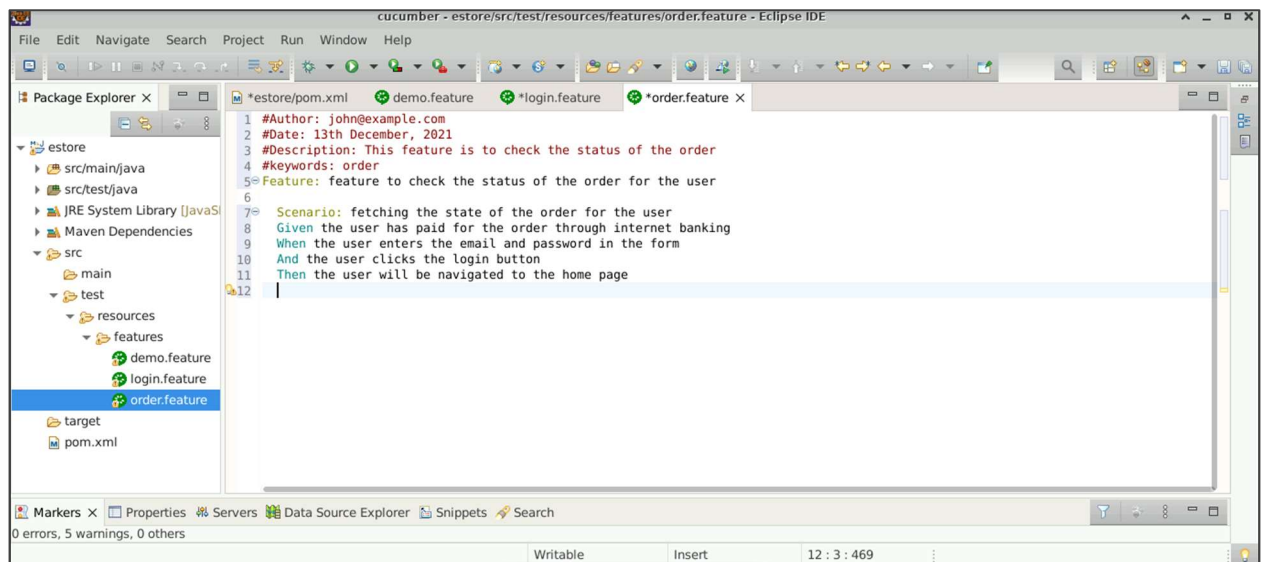


## 2.7 Right-click and select **Pretty Format**

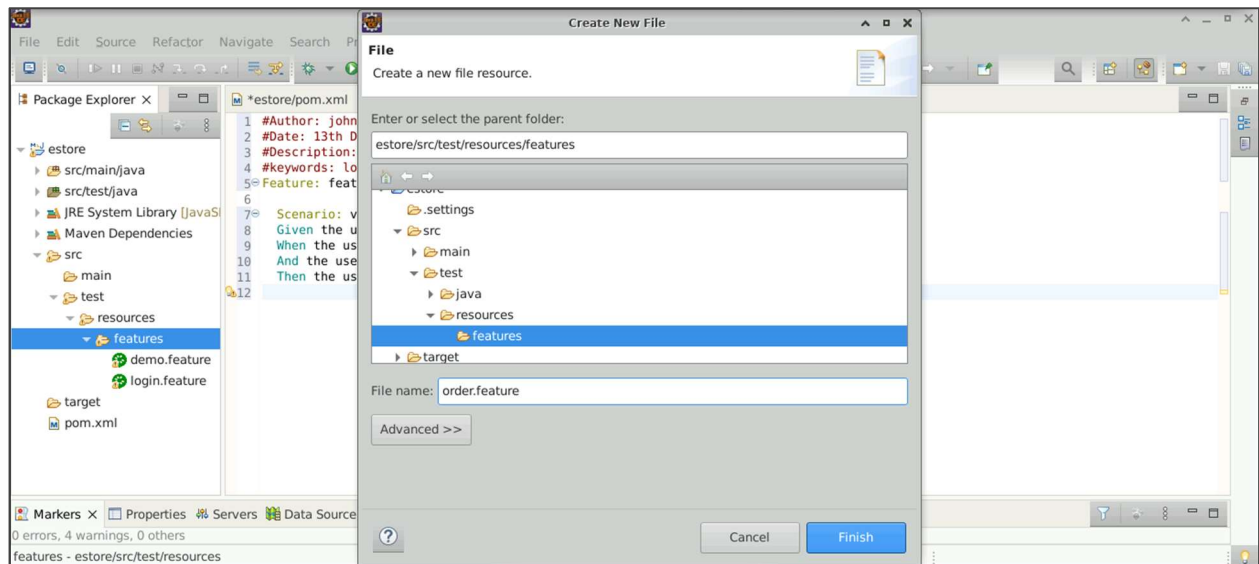




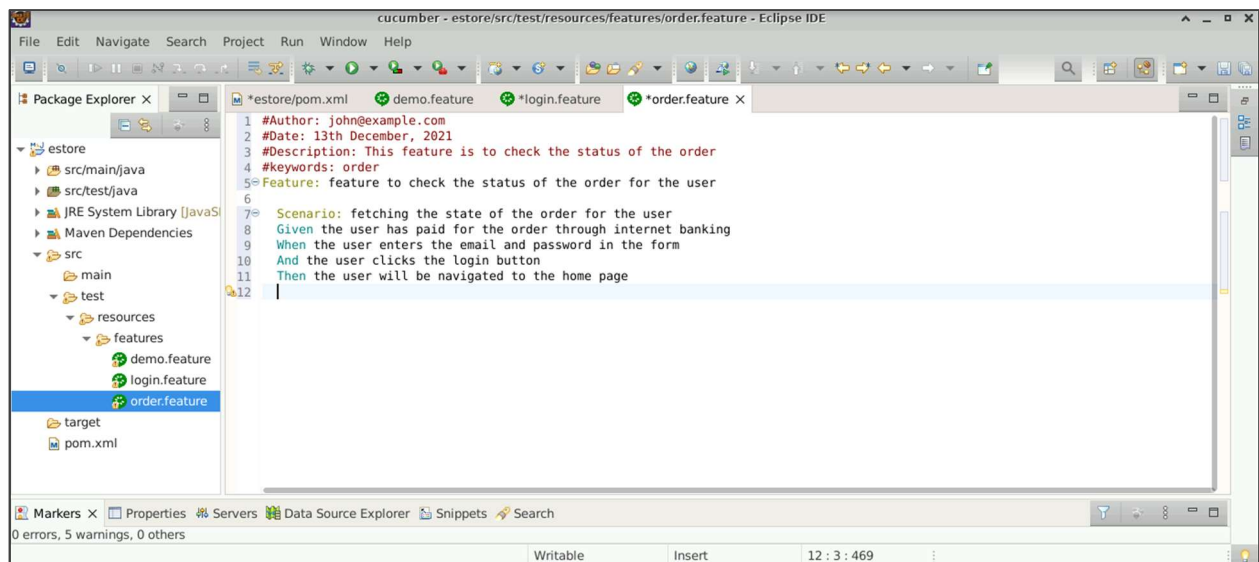
## 2.8 Add the following statements to the scenario



## 2.9 Create one new file named **order.feature**



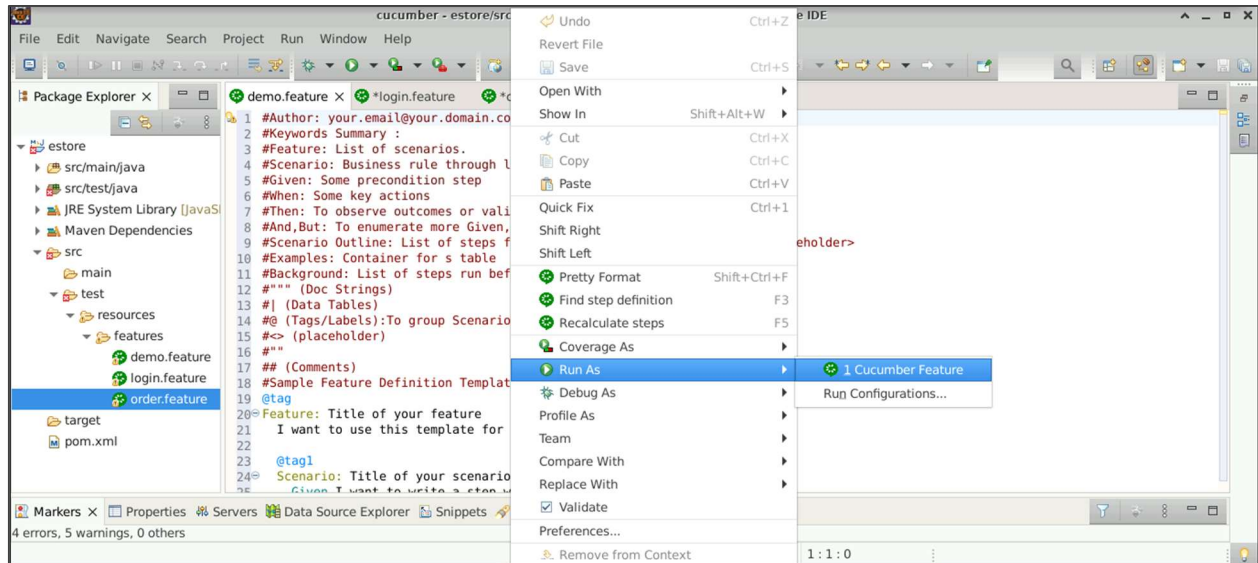
## 2.10 Update the Description, Feature and the Scenario as shown in the screenshot below



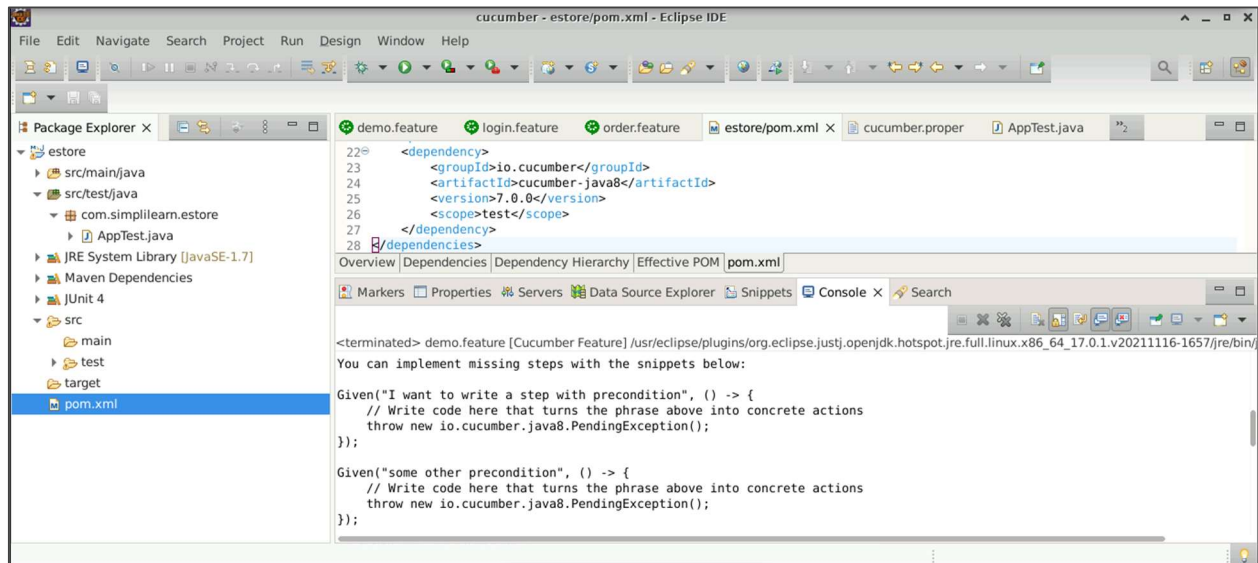


## Step 3: Run Cucumber tests

### 3.1 Right-click and select **Run As**, and then click on **Cucumber Feature**



The output is shown in the screenshot below:



In this way, you can write the scenario using Gherkin syntax for creating the feature files and running the cucumber tests.