Lesson 5 Demo 3: Cucumber with JavaScript

This section will guide you to:

* Write code in Gherkin and execute via cucumber with JavaScript
* Use visual studio code (the popular text editor for web-based projects)
* Confirm the output of cucumber with the positive result.

**Note:** You cannot proceed with this demo until you complete all the steps mentioned in the document Lesson 5 Demo 2

This lab has 3 subsections:

* See scenario reported as undefined
* See scenario reported as failing
* See scenario reported as passing

In behavior-driven development with cucumber, concrete examples are used to specify *what we want the software to do.* An example is referred to as a scenario. Scenarios are defined in **.feature** files which are stored in the **features** directory.

In this lab, we will use the scenario: **Sunday is not Friday**.

**Step 1:** Create an empty file named **features/is\_it\_Friday\_yet.feature** with the following code, and save the file:

Feature: Is it Friday yet?

Everybody wants to know when it's Friday

Scenario: Sunday isn't Friday

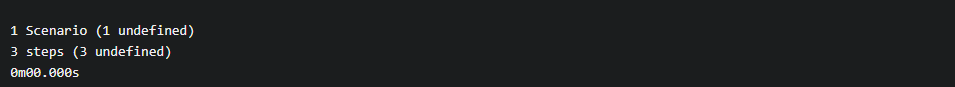
Given today is Sunday

When I ask whether it's Friday yet

Then I should be told "Nope"

**Step 2:** See scenario reported as undefined

* Run the command **npm test** in the terminal of visual studio code to confirm the following output:



**Step 3:** See scenario reported as failing

* Replace the existing complete code with the following code in the **features/step\_definitions/stepdefs.js** file:

const assert = require('assert');

const { Given, When, Then } = require('cucumber');

function isItFriday(today) {

// We'll leave the implementation blank for now

}

Given('today is Sunday', function () {

this.today = 'Sunday';

});

When('I ask whether it\'s Friday yet', function () {

this.actualAnswer = isItFriday(this.today);

});

Then('I should be told {string}', function (expectedAnswer) {

assert.equal(this.actualAnswer, expectedAnswer);

});

* Open the package.json file and make the following changes:

From: “test”: “echo \”Error: no test specified\ “”

To: “test” : “cucumber-js” and

From “@cucumber/cucumber”

To: “cucumber” and save the file

* Run the command **npm test** in the terminal of visual studio code to confirm the following output:



**Step 4:** See scenario reported as passing

* Add **return ‘Nope’;** to the code available in the **features/step\_definitions/stepdefs.js** file

function isItFriday(today) {

return 'Nope';

}

* Run the command **npm test** in the terminal of visual studio code to confirm the following output:



* Congratulations! You’ve got your first green cucumber scenario.