**BDD with REST Assured Using Cucumber**

**1. Adding dependencies**

<dependency>

<groupId>org.junit.jupiter</groupId>

<artifactId>junit-jupiter-api</artifactId>

<version>5.9.3</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>7.10.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-junit</artifactId>

<version>7.10.1</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->

<dependency>

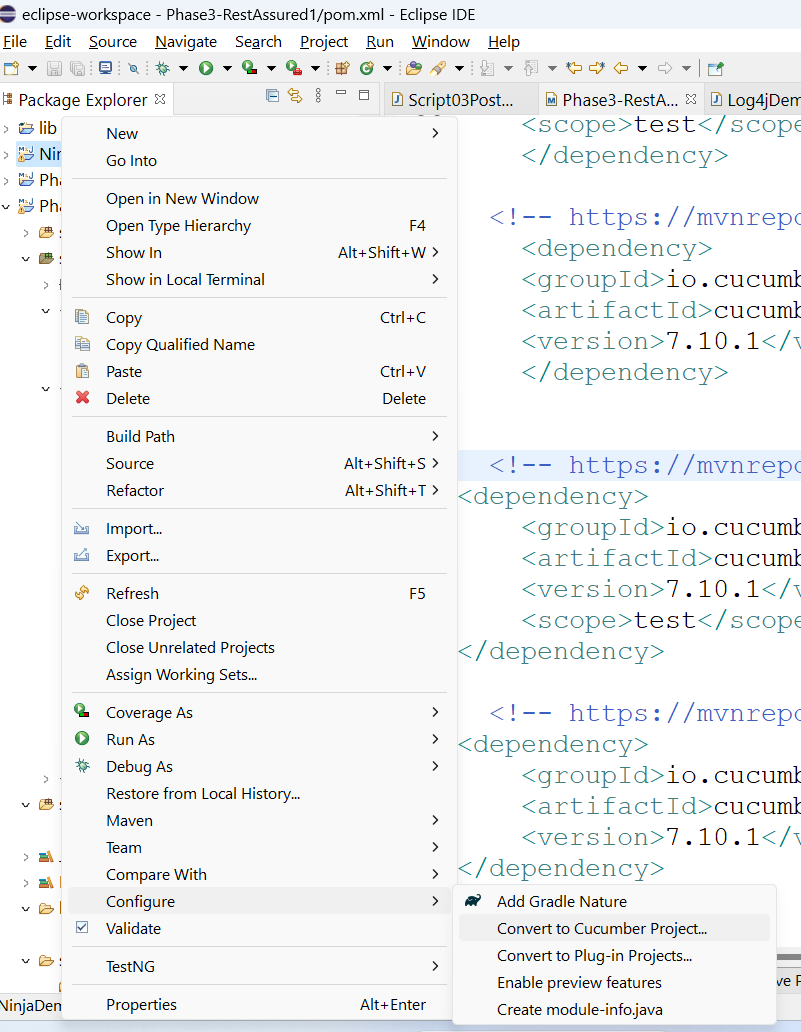
<groupId>io.cucumber</groupId>

<artifactId>cucumber-core</artifactId>

<version>7.10.1</version>

</dependency>

**2. Convert Maven project into cucumber**

****

**3. Create a feature file**

Feature: Test Github APIs using Rest Assured

Scenario: Get all the repositories

Given User enters github base url and auth

When user executes HTTP get method

Then validate the response status code

**4. Create steps definition class**

**package** steps;

**import** **static** io.restassured.RestAssured.\*;

**import** org.junit.Assert;

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

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

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

**import** io.restassured.response.Response;

**public** **class** Githubsteps {

Response res;

@Given("User enters github base url and auth")

**public** **void** user\_enters\_github\_base\_url\_and\_auth() {

*given*().baseUri("https://api.github.com")

.basePath("/user/repos")

.header("Authorization","Bearer ghp\_llWX7s9EmRW3k6pnrHcSSBfaFeP2rm3mJF85");

}

@When("user executes HTTP get method")

**public** **void** user\_executes\_http\_get\_method() {

res = *when*().get()

.then().statusCode(200)

.extract().response();

}

@Then("validate the response status code")

**public** **void** validate\_the\_response\_status\_code() {

res.prettyPrint();

Assert.*assertEquals*(res.statusCode(),200);

}

}