Aim: To perform the Handling the Test Data and Executing It in Multiple Environments for User Module of an Application

CODE:

Feature: Implement The Lesson End Project

  Scenario: Rest API testing on reqres.in
    Given User send a Post request to create a user and validates status
    Given User sends a Get request to get a user and validates status
    Given User sends a get request to get list of users and validates status

Steps

```java
package steps;

import org.json.JSONObject;

import io.cucumber.java.en.Given;
import io.restassured.RestAssured;
import io.restassured.http.ContentType;

public class LessonEndProject {

    @Given("User send a Post request to create a user and validates status")
    public void
user_send_a_post_request_to_create_a_user_and_validates_status() {

        JSONObject body = new JSONObject();
        body.put("name", "Siva");
        body.put("job", "Tester");

        RestAssured.given()
        .baseUri("https://reqres.in")
        .basePath("/api/users")
        .contentType(ContentType.JSON)
        .body(body.toString())
        .when().post()
        .then().statusCode(201).log().ifError(); // log if there an error

    }

    @Given("User sends a Get request to get a user and validates status")
    public void user_sends_a_get_request_to_get_a_user_and_validates_status()
{
```

```java
                JSONObject body = new JSONObject();
                body.put("email", "siva@gmail.com");
                body.put("password", "pas123");


                RestAssured.given() .baseUri("https://reqres.in")
                .contentType(ContentType.JSON) .body(body.toString())

                .when().post("/api/register")
                .then().statusCode(200)

                // print the entire log of the request, but dont print the
sensitive information

                ;


        }


    @Given("User sends a get request to get list of users and validates
status")
        public void
user_sends_a_get_request_to_get_list_of_users_and_validates_status() {


            RestAssured.given()
            .baseUri("https://reqres.in")
            .basePath("/api/unknown")
            .when().get()
            .then().statusCode(200).log().all();
        }

}
```
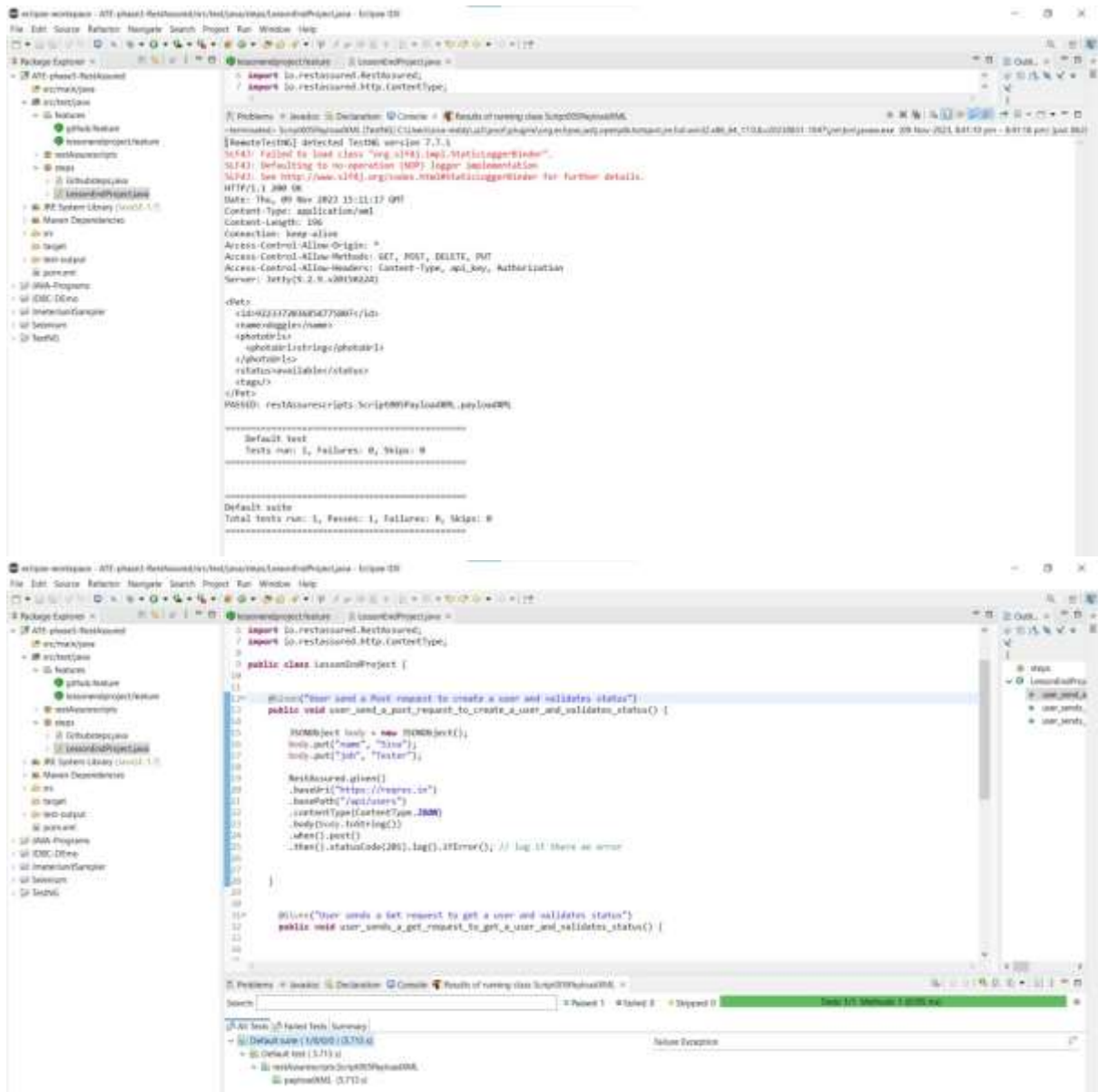
OUTPUT:

Package Explorer

```
1
2  #Feature: Implement The Lesson End Project
3
4  Scenario: Rest API testing on reqres.ie
5      Given User send a Post request to create a user and validates status
6      Given User sends a Get request to get a user and validates status
7      Given User sends a get request to get list of users and validates status
8
9  |
```

```java
import io.restassured.RestAssured;
import io.restassured.http.ContentType;

public class LessonEndProject {

    @Given("User send a Post request to create a user and validates status")
    public void user_send_a_post_request_to_create_a_user_and_validates_status() {

        JSONObject body = new JSONObject();
        body.put("name", "Siva");
        body.put("job", "Tester");

        RestAssured.given()
        .baseUri("https://reqres.io")
        .basePath("/api/users")
        .contentType(ContentType.JSON)
        .body(body.toString())
        .when().post()
        .then().statusCode(201).log().ifError(); // log if there an error

    }

    @Given("User sends a Get request to get a user and validates status")
    public void user_sends_a_get_request_to_get_a_user_and_validates_status() {

        JSONObject body = new JSONObject();
        body.put("email", "siva@gmail.com");
        body.put("password", "java123");

        RestAssured.given() .baseUri("https://reqres.io")
```

This is my GitHub Link to upload all documentation.

https://github.com/sivaji143843/Phase3---Assignment3