

Aim: To perform to implement BDD with REST assured using Cucumber.

CODE:

Code for feature:

```
Feature: Test Github APis using Rest Assured
Scenario: Get all the github repos with authorization as Bearer token
    Given User Enters github base URL and Authorization
    When User executes HTTP get method
    Then Validate the response status code
```

Code for step

```
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 Authorization")
```

```
public void user_enters_github_base_url_and_authorization() {  
  
    given().baseUrl("https://api.github.com")  
        .basePath("/user/repos")  
        .header("Authorization","Bearer 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");  
  
}
```

```
@When("User executes HTTP get method")  
public void user_executes_http_get_method() {  
  
    res=    given().baseUrl("https://api.github.com")  
            .basePath("/user/repos")  
            .header("Authorization","Bearer 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")  
            .when().get();  
  
}
```

```
@Then("Validate the response status code")  
public void validate_the_response_status_code() {  
  
    res.prettyPrint();  
  
    Assert.assertEquals(res.statusCode(),200);  
  
}
```

```
}
```

The screenshot displays the Eclipse IDE interface for a project named "ATE-phase3-RestAssured". The Package Explorer on the left shows the project structure, including the "src/test/java" directory where the "GithubSteps.java" file is located. The main editor area shows the code for "GithubSteps.java", which is a Java class implementing REST Assured tests. The code includes imports for "io.restassured" and "io.restassured.http.ContentType", and defines three methods: "user\_authentication", "user\_executes\_http\_get\_method", and "validate\_the\_response\_status\_code". The "validate\_the\_response\_status\_code" method is currently selected and highlighted. The console output at the bottom shows the test results, including a failure due to a missing SLF4J logger implementation.

```
1
2
3 *import static io.restassured.RestAssured.*;
11
12 public class GithubSteps {
13
14     Response res;
15
16     @Given("User Enters github base URL and Authorization")
17     public void user_enters_github_base_url_and_authorization() {
18
19         given().baseUrl("https://api.github.com")
20             .basePath("/user/repos")
21             .header("Authorization", "Bearer ghp_Nw20EFTSM925Xrcn69LxnYEXrg2fEg2k");
22
23     }
24
25
26     @When("User executes HTTP get method")
27     public void user_executes_http_get_method() {
28
29         res = given().baseUrl("https://api.github.com")
30             .basePath("/user/repos")
31             .header("Authorization", "Bearer ghp_Nw20EFTSM925Xrcn69LxnYEXrg2fEg2k")
32             .when().get();
33
34     }
35
36
37     @Then("Validate the response status code")
38     public void validate_the_response_status_code() {
39
40         res.prettyPrint();
41
42     }
43 }
```

Console Output:

```
[terminated] Script005PayloadXML [TestNG] C:\Users\jira\redy\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.8.v20230831-1047\jre\bin\java.exe (09-Nov-2023, 8:33:45 pm) [pid: 151]
[RemoteTestNG] detected TestNG version 7.7.1
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/docs.html#StaticLoggerBinder for further details.
HTTP/1.1 200 OK
Date: Thu, 09 Nov 2023 15:03:53 GMT
```

