SourceCode:

**package** reqres;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**public** **class** GETDemo {

@Test

**public** **void** getServerResponse() {

RestAssured

.*when*()

.get("https://reqres.in/api/users?page=2")

.then()

.assertThat()

.statusCode(200)

.log().all();

}

}

**package** reqres;

**import** java.util.HashMap;

**import** org.testng.annotations.BeforeMethod;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**public** **class** POSTDemo {

HashMap<String, String> map = **new** HashMap<String, String>();

@BeforeMethod

**public** **void** createPayLoad() {

map.put("name", "morpheus");

map.put("job", "teacher");

RestAssured.*baseURI* = "https://reqres.in/";

RestAssured.*basePath* = "/api/users";

}

@Test

**public** **void** createResource() {

RestAssured

.*given*()

.contentType("application/json")

.body(map)

.when()

.post()

.then()

.statusCode(201)

.log().all();

}

}

**package** reqres;

**import** java.util.HashMap;

**import** org.testng.annotations.BeforeMethod;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**public** **class** PUTDemo {

HashMap<String, String> map = **new** HashMap<String, String>();

@BeforeMethod

**public** **void** createPayload() {

map.put("name", "morpheus");

map.put("job", "Doctor");

RestAssured.*baseURI* = "https://reqres.in/";

RestAssured.*basePath* = "/api/users/893";

}

@Test

**public** **void** updateResource() {

RestAssured

.*given*()

.contentType("application/json")

.body(map)

.when()

.put()

.then()

.statusCode(200)

.log().all();

}

}

**package** reqres;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**public** **class** DELETEDemo {

@Test

**public** **void** deleteResource() {

RestAssured.*baseURI* = "https://reqres.in/";

RestAssured.*basePath* = "/api/users/893";

RestAssured

.*when*()

.delete()

.then()

.statusCode(204);

}

}

**package** reqres;

**import** **static** org.hamcrest.Matchers.~~is~~;

**import** java.util.HashMap;

**import** java.util.UUID;

**import** org.junit.Assert;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**import** io.restassured.path.json.JsonPath;

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

**public** **class** Create\_Update\_Delete\_Resource **extends** TestBase{

HashMap<String, String> map = **new** HashMap<String, String>();

UUID uuid = UUID.*randomUUID*();

**int** id;

Response response;

JsonPath jsonPath;

@Test(priority=0)

**public** **void** createPayload() {

map.put("name", "morpheus");

map.put("job", "teacher");

RestAssured.*baseURI* = "https://reqres.in/";

RestAssured.*basePath* = "/api/users";

logger.info("Payload created");

}

@Test(priority=1)

**public** **void** createResource() {

response = RestAssured

.*given*()

.contentType("application/json")

.body(map)

.when()

.post()

.then()

.extract().response();

logger.info("Resource Created Successfully");

jsonPath = response.jsonPath();

id = jsonPath.getInt("id");

System.***out***.println(id);

}

@Test(priority=2)

**public** **void** verifyResource() {

System.***out***.println("Id = " + id);

RestAssured

.*given*()

.contentType("application/json")

.when()

.get("https://reqres.in/api/users?page=2"+id)

.then()

.statusCode(200);

logger.info("Resource Verified");

Assert.*assertTrue*(jsonPath.get("job").equals("teacher"));

}

@Test(priority=3)

**public** **void** updateResource() {

map.put("name", "morpheus");

map.put("job", "Doctor");

RestAssured.*baseURI* = "https://reqres.in/";

RestAssured.*basePath* = "/api/users/" + id;

RestAssured

.*given*()

.contentType("application/json")

.body(map)

.when()

.put()

.then()

.statusCode(200)

.assertThat()

.body("job", *is*("Doctor"));

logger.info("Resource Updated");

}

@Test(priority=4)

**public** **void** deleteResource() {

RestAssured.*baseURI* = "https://reqres.in/";

RestAssured.*basePath* = "/api/users/" + id;

RestAssured

.*given*()

.contentType("application/json")

.when()

.delete()

.then()

.statusCode(204);

logger.info("Resource Deleted");

}

}

**package** reqres;

**import** org.apache.log4j.Level;

**import** org.apache.log4j.Logger;

**import** org.apache.log4j.PropertyConfigurator;

**import** org.testng.annotations.BeforeClass;

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

**import** io.restassured.specification.RequestSpecification;

**public** **class** TestBase {

**public** **static** RequestSpecification *httpRequest*;

**public** **static** Response *response*;

**public** Logger logger;

@BeforeClass

**public** **void** setUp() {

logger = Logger.*getLogger*("LogDemo");

PropertyConfigurator.*configure*("log4j.properties");

logger.setLevel(Level.***DEBUG***);

}

}