Repo link: https://github.com/hindujar/Phse3_end-_project.git

PHASE_END_PROJECT

Aim:

1.To automate functionalities using https://petstore.swagger.io/ REST API services in post man

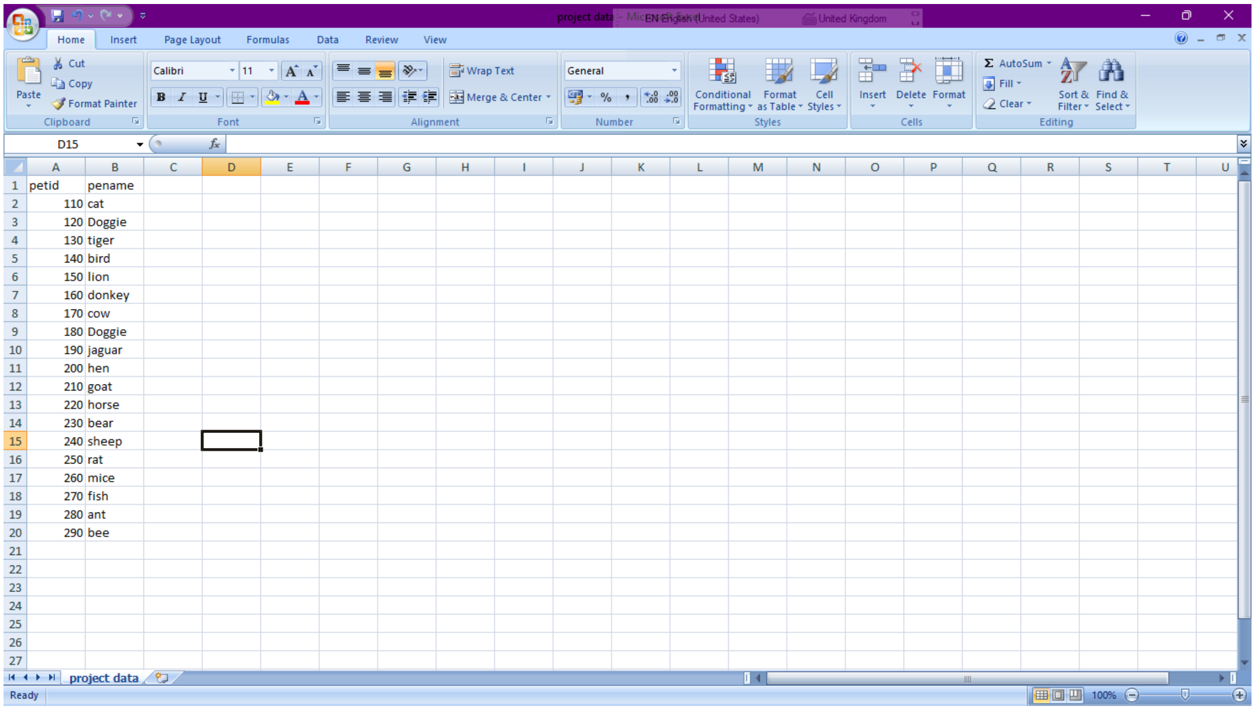
2.To automate using rest assured

3.To automate the given url using Jmeter

1.Postman Assignment001:

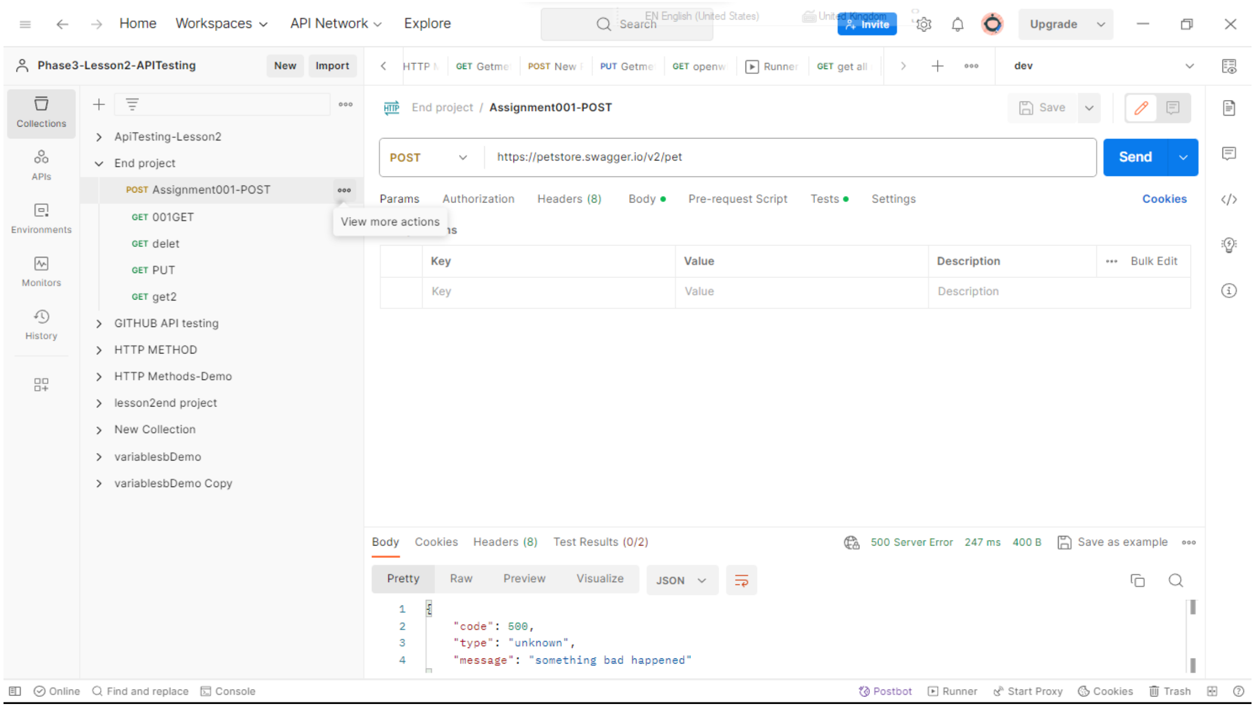
Reques1:

[A].create a data in xcel sheet in csv file



petid	pename
110	cat
120	Doggie
130	tiger
140	bird
150	lion
160	donkey
170	cow
180	Doggie
190	jaguar
200	hen
210	goat
220	horse
230	bear
240	sheep
250	rat
260	mice
270	fish
280	ant
290	bee

[B].Create a collection in postman and add post request:



End project / Assignment001-POST

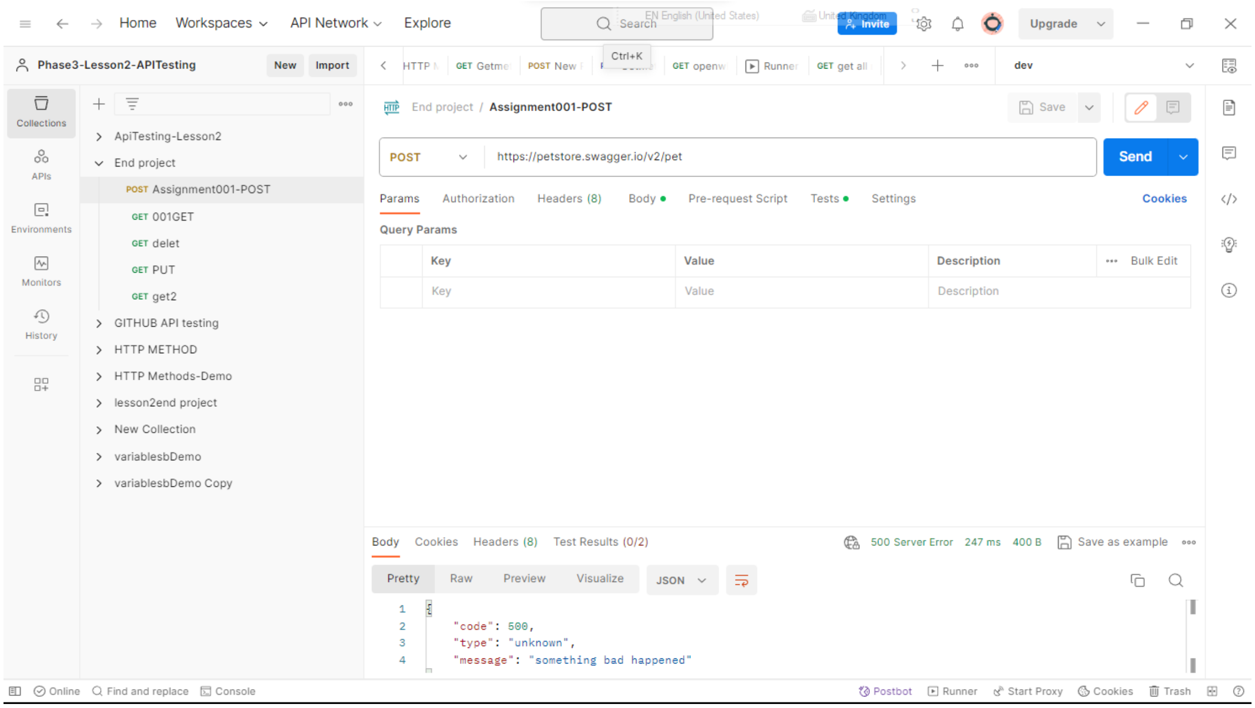
POST https://petstore.swagger.io/v2/pet

Key	Value	Description
Key	Value	Description

Body Cookies Headers (8) Test Results (0/2) — 500 Server Error 247 ms 400 B

```
{
    "code": 500,
    "type": "unknown",
    "message": "something bad happened"
```

[C]Add a URL in the bar:



End project / Assignment001-POST

POST https://petstore.swagger.io/v2/pet

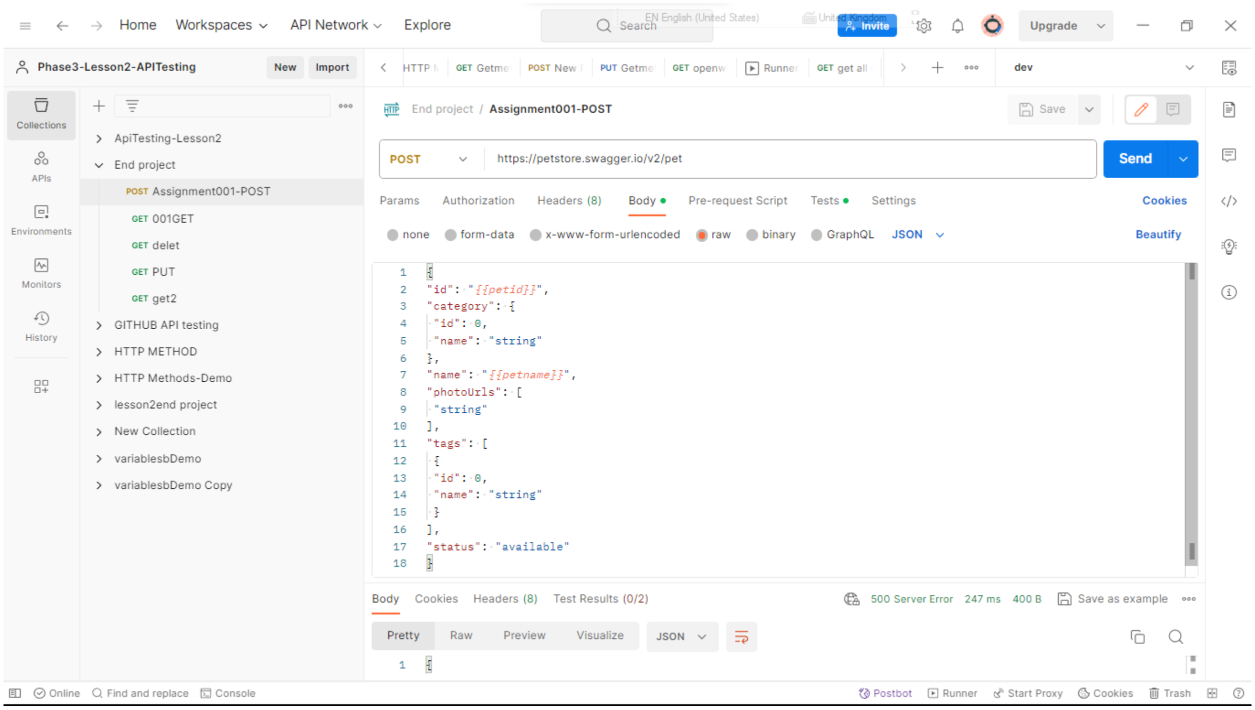
Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (8) Test Results (0/2) — 500 Server Error 247 ms 400 B

```
{
    "code": 500,
    "type": "unknown",
    "message": "something bad happened"
```

[D]Add the code in the body:



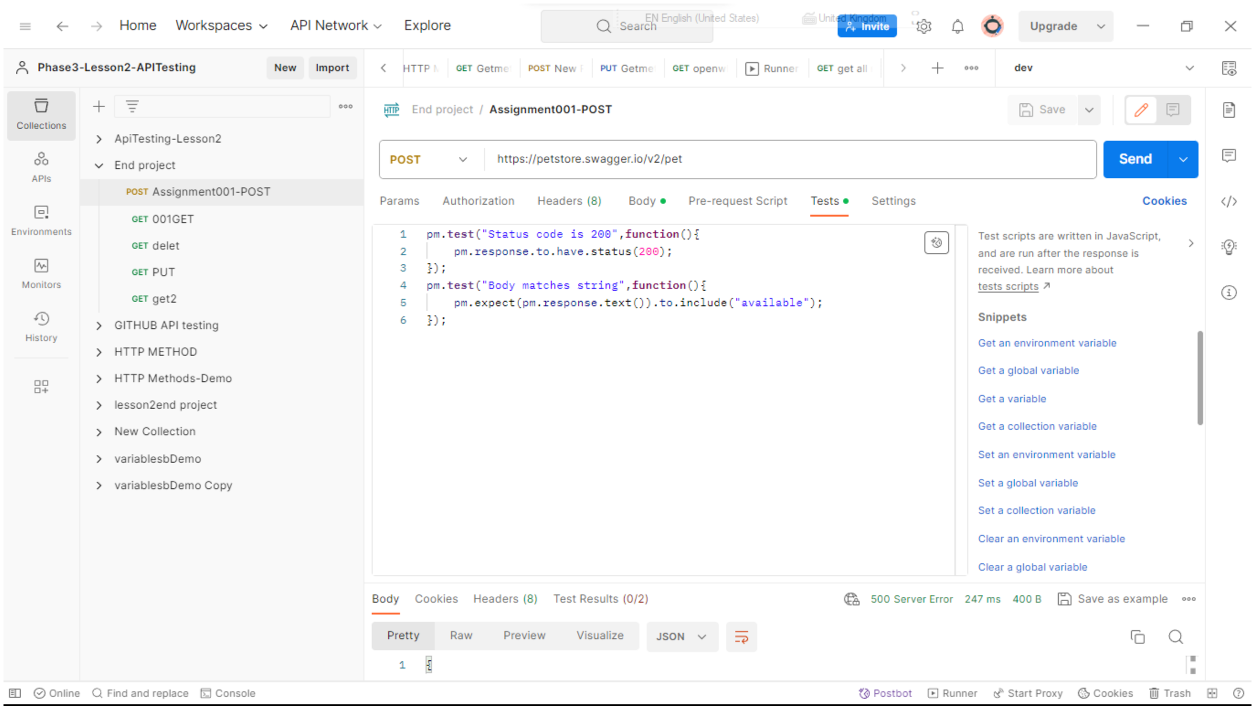
End project / Assignment001-POST

POST https://petstore.swagger.io/v2/pet

```
{
"id": "{{petid}}",
"category": {
 "id": 0,
 "name": "string"
},
"name": "{{petname}}",
"photoUrls": [
 "string"
],
"tags": [
 {
 "id": 0,
 "name": "string"
 }
],
"status": "available"
}
```

Test Results (0/2) 500 Server Error 247 ms 400 B

[E]Add the code in the test bar:



End project / Assignment001-POST

POST https://petstore.swagger.io/v2/pet

Tests

```
pm.test("Status code is 200",function(){
    pm.response.to.have.status(200);
});
pm.test("Body matches string",function(){
    pm.expect(pm.response.text()).to.include("available");
});
```

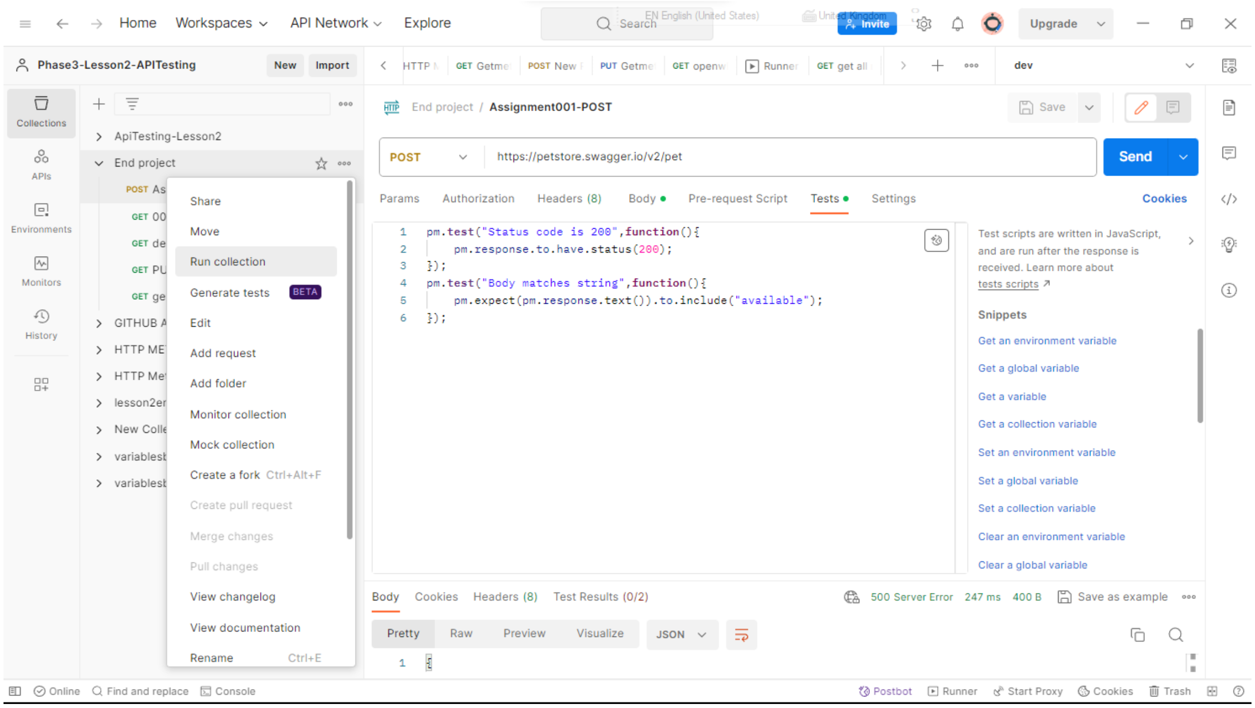
Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts ↗

Snippets

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable
- Set a global variable
- Set a collection variable
- Clear an environment variable
- Clear a global variable

Test Results (0/2) 500 Server Error 247 ms 400 B

Run the collection :



End project / Assignment001-POST

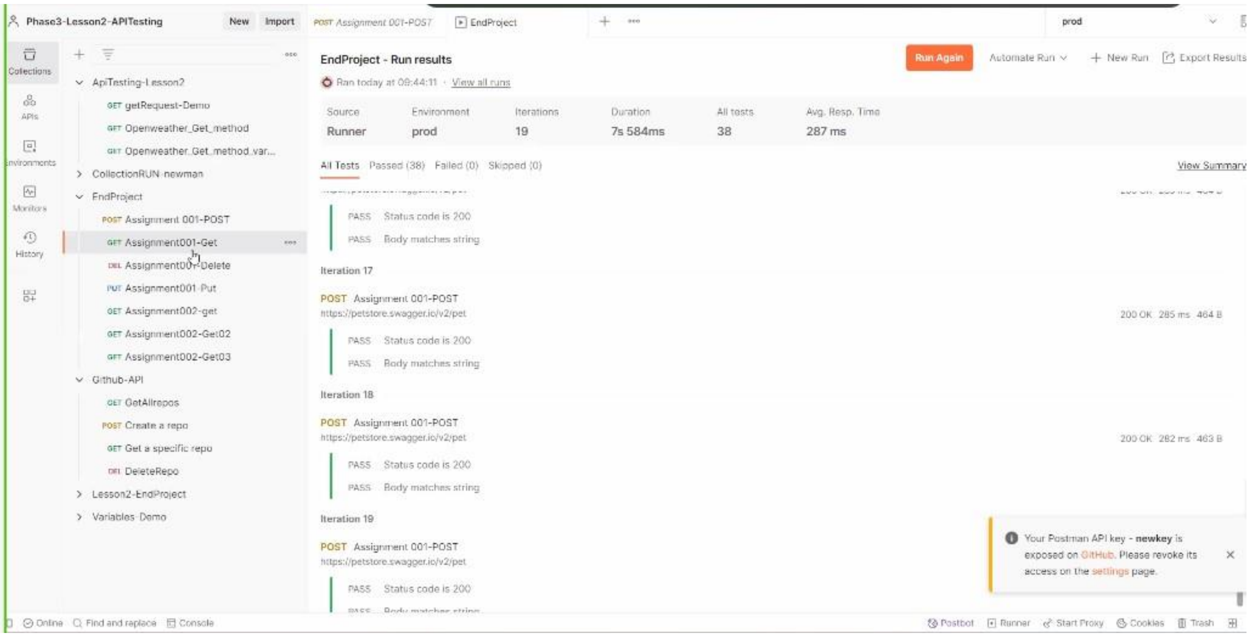
POST https://petstore.swagger.io/v2/pet

```
pm.test("Status code is 200",function(){
    pm.response.to.have.status(200);
});
pm.test("Body matches string",function(){
    pm.expect(pm.response.text()).to.include("available");
});
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts ↗

500 Server Error 247 ms 400 B

output:



EndProject - Run results

Ran today at 09:44:11 · View all runs

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	prod	19	7s 584ms	38	287 ms

All Tests Passed (38) Failed (0) Skipped (0)

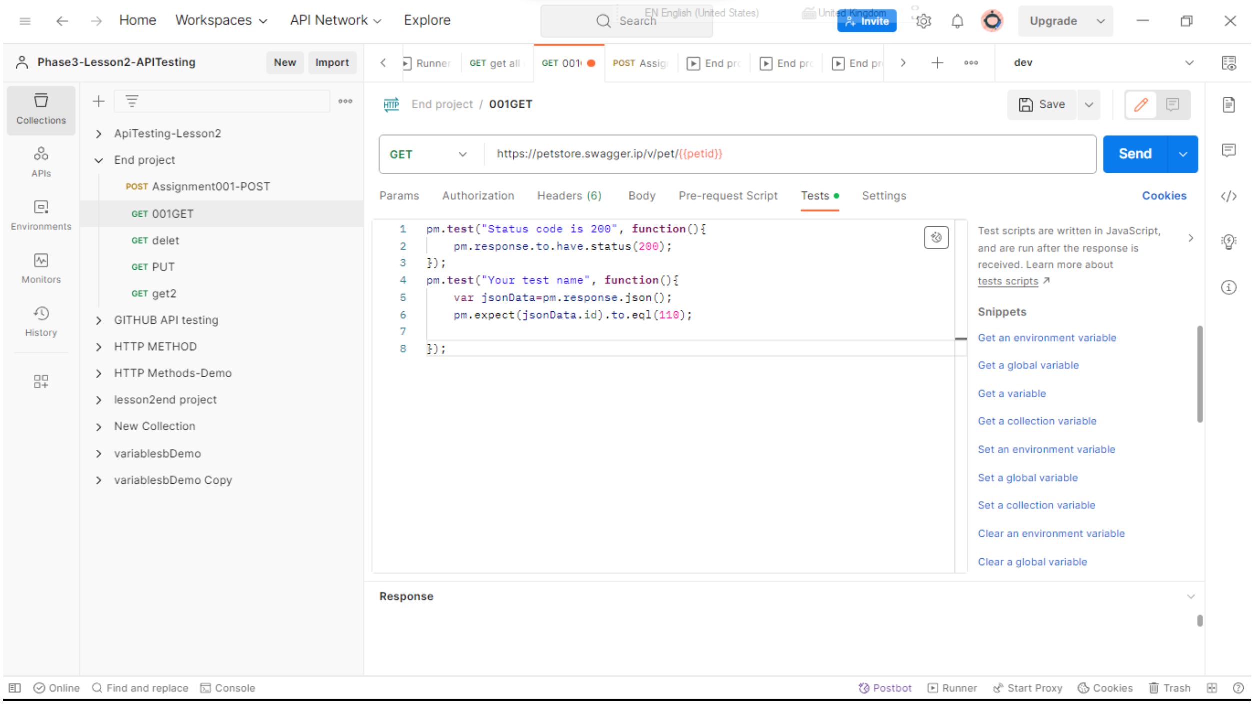
```
    PASS  Status code is 200
    PASS  Body matches string

Iteration 17

POST  Assignment 001-POST                                  200 OK  285 ms  464 B
https://petstore.swagger.io/v2/pet
    PASS  Status code is 200
    PASS  Body matches string

Iteration 18

POST  Assignment 001-POST                                  200 OK  282 ms  463 B
https://petstore.swagger.io/v2/pet
    PASS  Status code is 200
    PASS  Body matches string

Iteration 19

POST  Assignment 001-POST
https://petstore.swagger.io/v2/pet
    PASS  Status code is 200
```

Your Postman API key - **newkey** is exposed on GitHub. Please revoke its access on the settings page.

REQUEST 2

Add get request:

Add the url and variables

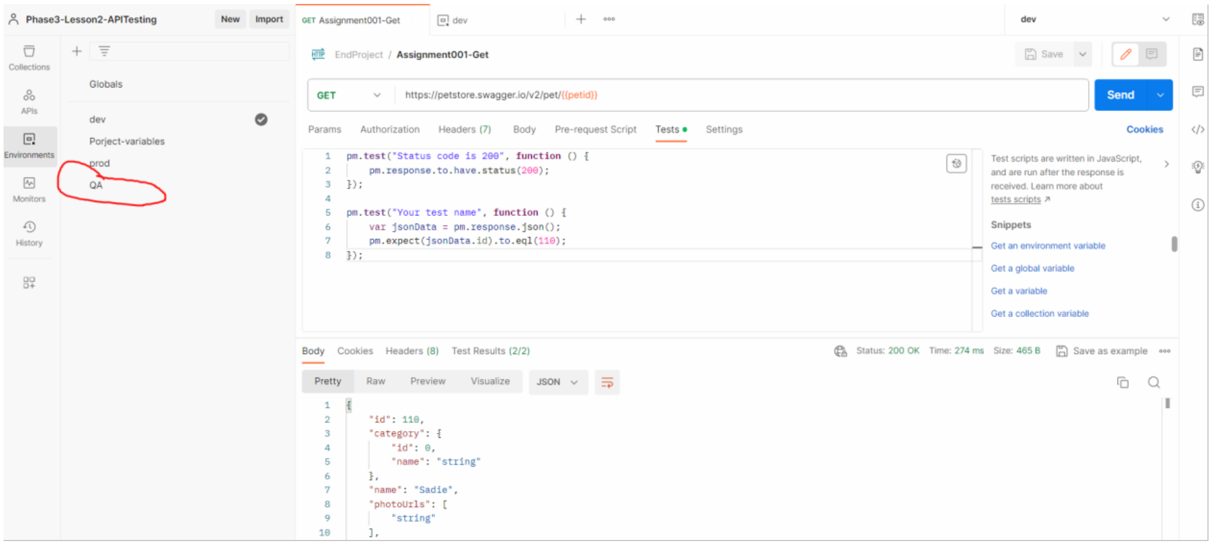


End project / 001GET

GET https://petstore.swagger.ip/v/pet/{{petid}}

```
pm.test("Status code is 200", function(){
    pm.response.to.have.status(200);
});
pm.test("Your test name", function(){
    var jsonData=pm.response.json();
    pm.expect(jsonData.id).to.eql(110);

});
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts ↗



EndProject / Assignment001-Get

GET https://petstore.swagger.io/v2/pet/{{petid}}

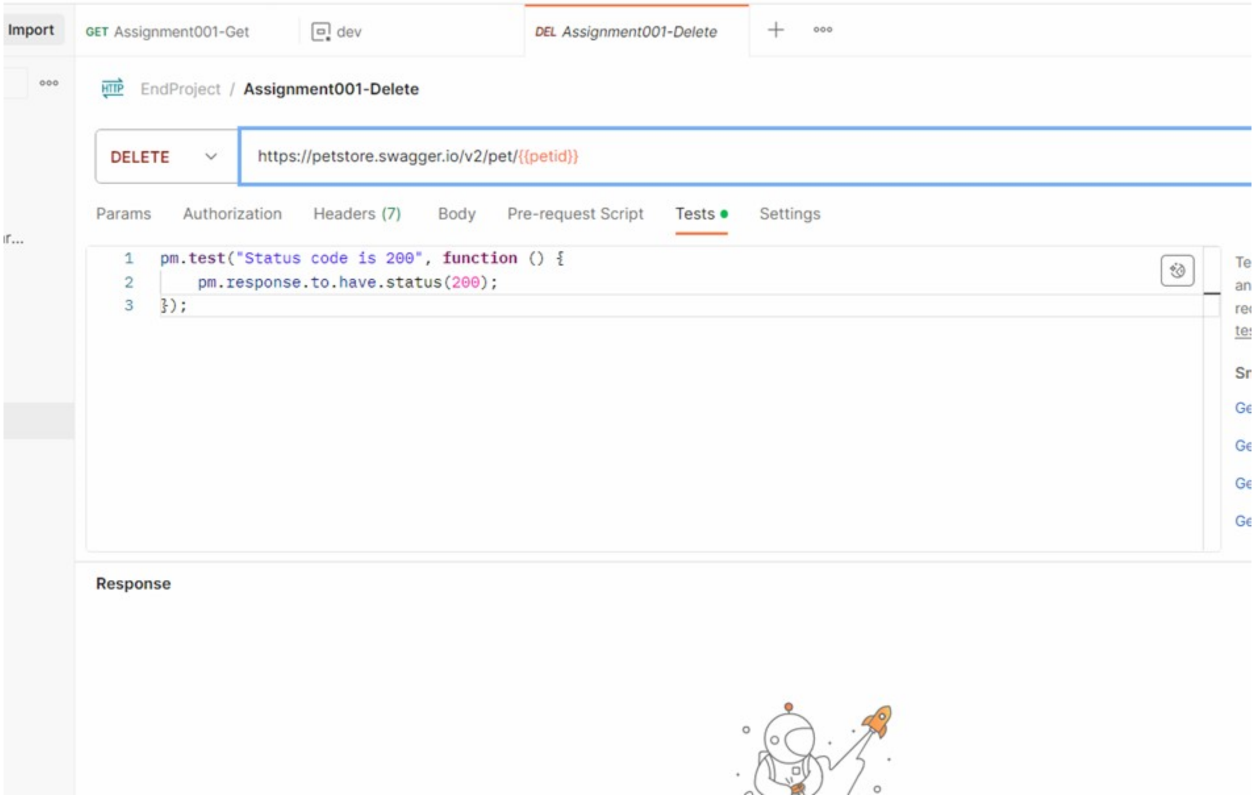
```
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});

pm.test("Your test name", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.id).to.eql(110);
});
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts ↗

Status: 200 OK Time: 274 ms Size: 465 B

```
{
    "id": 110,
    "category": {
        "id": 0,
        "name": "string"
    },
    "name": "Sadie",
    "photoUrls": [
        "string"
    ],
```

Delete the pet id



DELETE https://petstore.swagger.io/v2/pet/{{petid}}

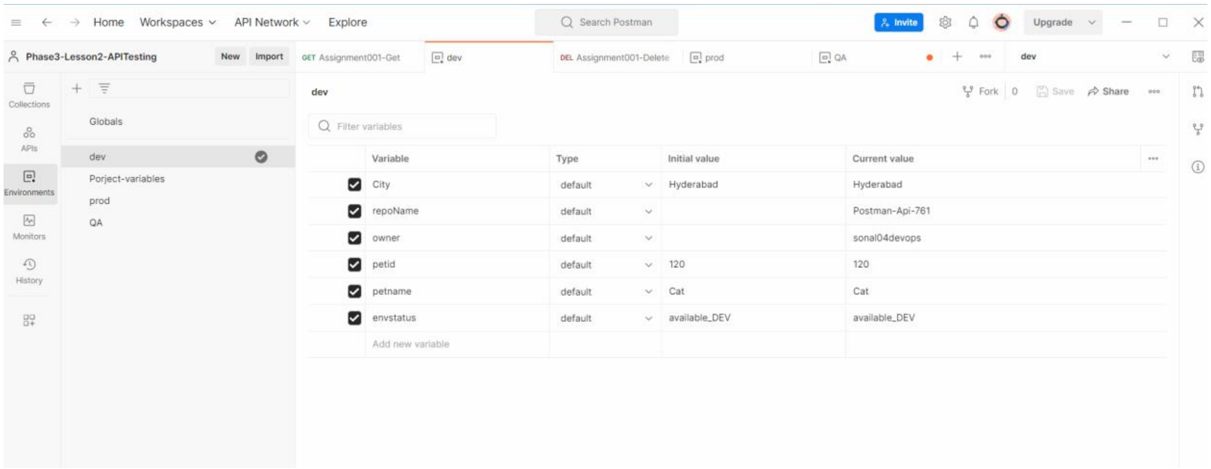
```
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});
```

2.Postman Assignment002

Create an three enmiromental variables

- Dev
- Prod
- QA

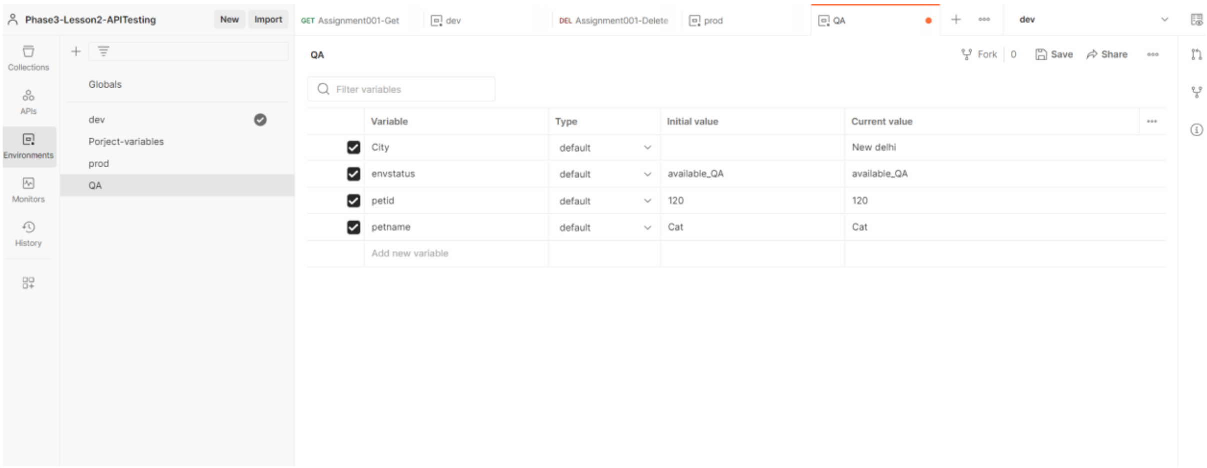
1.dev variable



dev

	Variable	Type	Initial value	Current value
☑	City	default	Hyderabad	Hyderabad
☑	repoName	default		Postman-Api-761
☑	owner	default		sonal04devops
☑	petid	default	120	120
☑	petname	default	Cat	Cat
☑	envstatus	default	available_DEV	available_DEV
	Add new variable			

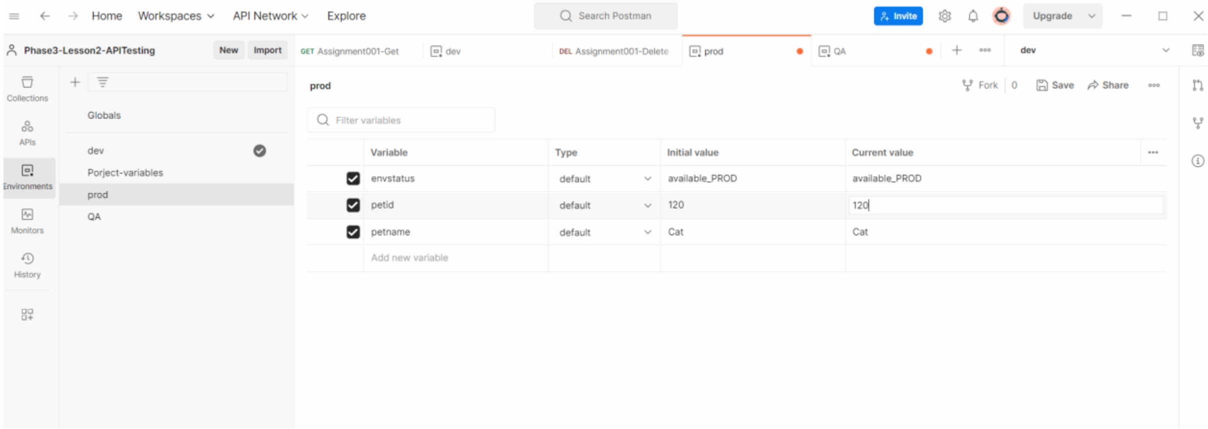
2.QA variable



QA

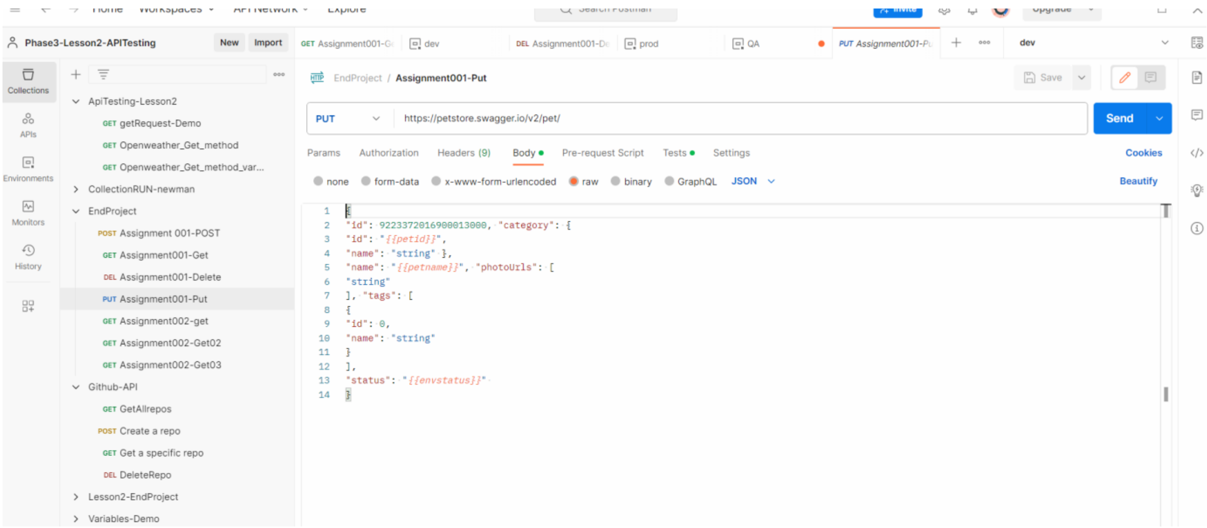
	Variable	Type	Initial value	Current value
☑	City	default		New delhi
☑	envstatus	default	available_QA	available_QA
☑	petid	default	120	120
☑	petname	default	Cat	Cat
	Add new variable			

3.prod variable



prod

	Variable	Type	Initial value	Current value
☑	envstatus	default	available_PROD	available_PROD
☑	petid	default	120	120
☑	petname	default	Cat	Cat
	Add new variable			



dev

EndProject / Assignment001-Put

PUT https://petstore.swagger.io/v2/pet/

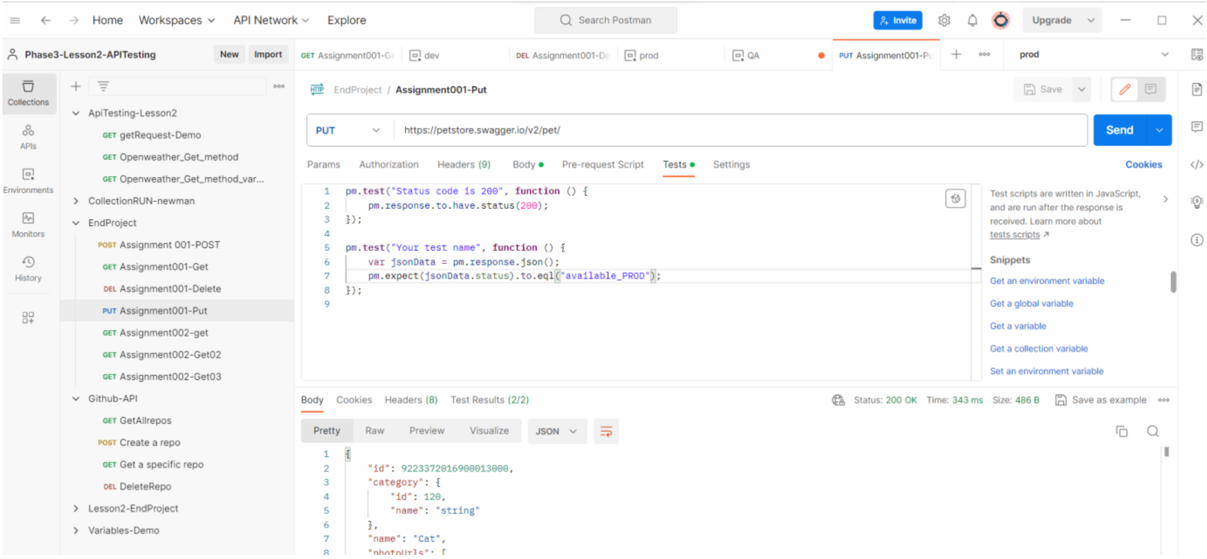
Params Authorization Headers (9) **Body** ● Pre-request Script Tests ● Settings

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
"id": 9223372016900013000, "category": {
"id": "{{petid}}",
"name": "string" },
"name": "{{petname}}", "photoUrls": [
"string"
], "tags": [
{
"id": 0,
"name": "string"
}
],
"status": "{{envstatus}}"
}
```

3.Postman Assignment003

Hit a GET call with URL: https://petstore.swagger.io/v2/user/Uname001 Use Uname001 as global parameter ● Validate response as 200 in Postman ● Validate username = Uname001 in JSON response ●Validate email = Positive@Attitude.com in JSON response ● Validate userStatus = 1 in JSON response



prod

EndProject / Assignment001-Put

PUT https://petstore.swagger.io/v2/pet/

Params Authorization Headers (9) Body ● Pre-request Script **Tests** ● Settings

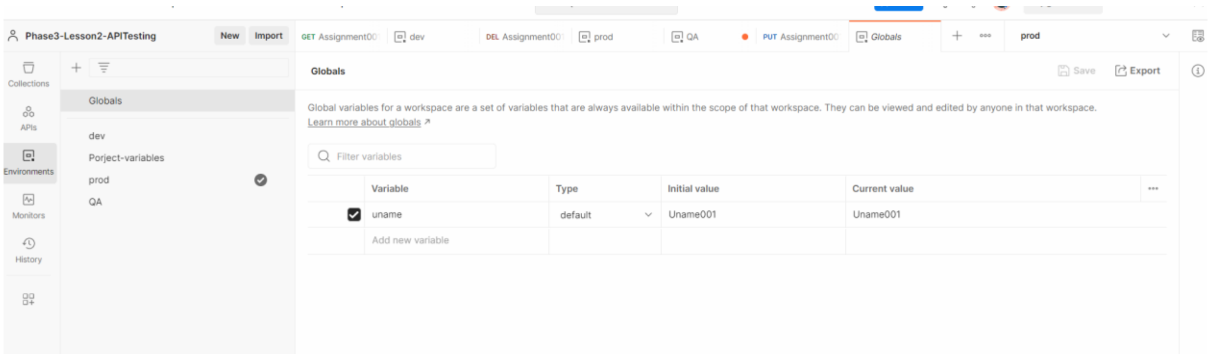
```
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});

pm.test("Your test name", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.status).to.eql("available_PROD");
});
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts ↗

Body Cookies Headers (8) Test Results (2/2) Status: 200 OK Time: 343 ms Size: 486 B

Pretty Raw Preview Visualize JSON

```
{
    "id": 9223372016900013000,
    "category": {
        "id": 120,
        "name": "string"
    },
    "name": "Cat",
    "photoUrls": [
```



Globals

Global variables for a workspace are a set of variables that are always available within the scope of that workspace. They can be viewed and edited by anyone in that workspace.
Learn more about globals ↗

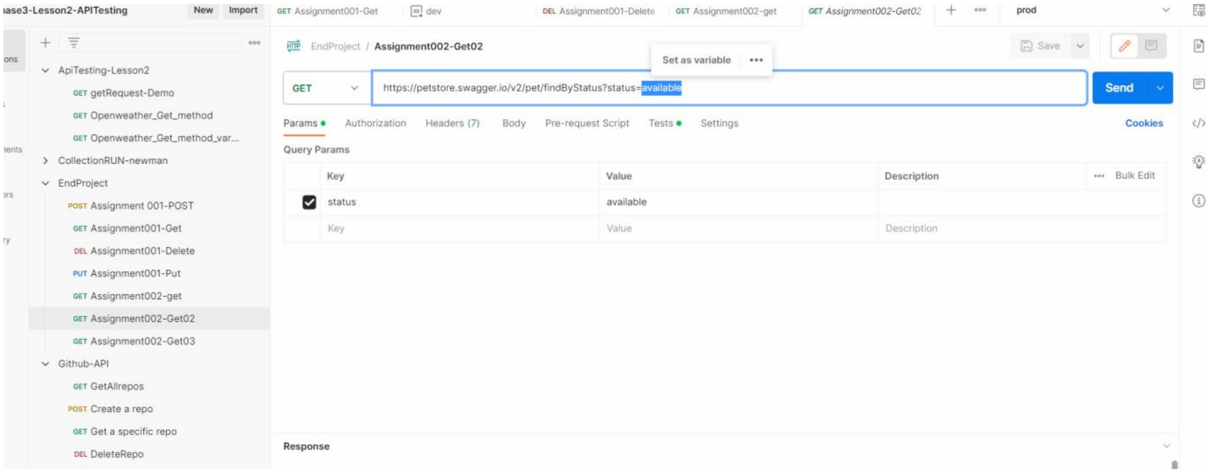
Filter variables

	Variable	Type	Initial value	Current value
☑	uname	default	Uname001	Uname001
	Add new variable			

4.Postman Assignment004

Hit a GET call with URL: https://petstore.swagger.io/v2/user/Uname001

- Use Uname001 as global parameter
- Validate response as 200 in Postman
- Validate username = Uname001 in JSON response
- Validate email = Positive@Attitude.com in JSON response
- Validate userStatus = 1 in JSON response



EndProject / Assignment002-Get02

GET https://petstore.swagger.io/v2/pet/findByStatus?status=available

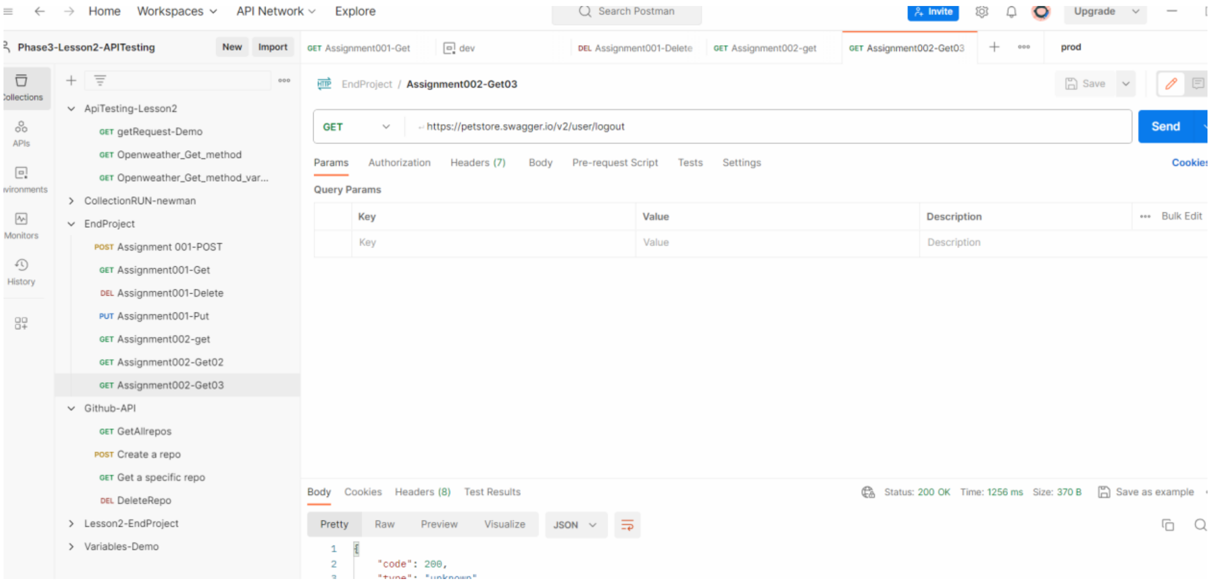
Query Params

	Key	Value	Description
☑	status	available	
	Key	Value	Description

5.Postman Assignment005

Hit a GET call with URL: https://petstore.swagger.io/v2/user/logout

- Validate response as 200 in Postman
- Validate code = 200 in response
- Validate message = OK in response



EndProject / Assignment002-Get03

GET https://petstore.swagger.io/v2/user/logout

Query Params

Key	Value	Description
Key	Value	Description

Status: 200 OK Time: 1256 ms Size: 370 B

```
{
    "code": 200,
    "type": "unknown"
```

1.REST ASURED ASSIGNMENT:001

Description:

- Open Eclipse/IntelliJ
- Create a Maven project ●
- Add Maven dependency for TestNG and REST Assured
- Create a TestNG test with below REST API execution details
- POST CALL ○ URL: https://petstore.swagger.io/v2/pet ○ Service Type: POST ○ JSON Body: { "id": 344, "category": { "id": 0, "name": "string" }, "name": "Doggie", "photoUrls": ["string"], "tags": [{ "id": 0, "name": "string" }], "status": "available" }
- ○ PetID is parameterized ○ Once POST call is successful - validate response code ○ Validate that PetID from response code should be same as request PetID
- ●GET CALL ○ URL: https://petstore.swagger.io/v2/pet/2003 ○ Service Type: GET ○ Service URL pet id, which is highlighted in YELLOW color should be parameterized and be the same as POST call PetID ○ Validate response code as 200 ○ Validate that response JSON body contains keys status and id ○ Validate status value is available

- DELETE CALL ○ URL: https://petstore.swagger.io/v2/pet/2003 ○ Service Type: DELETE ○ Service URL pet id, which is highlighted in YELLOW color, should be parameterized and the same as POST call PetID ○ Validate response code is 200 ○ Validate that response JSON body contains keys code and message ○ Validate message value is PetID
- POST→GET→DELETE services are interrelated. If the POST call fails, then the GET and DELETE call will also fail.

Data file:

```
{
  "id": 987,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "duck",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
 }
```

Data put file:

```
{   "id": 987,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "duck",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available_QA"
 }
```

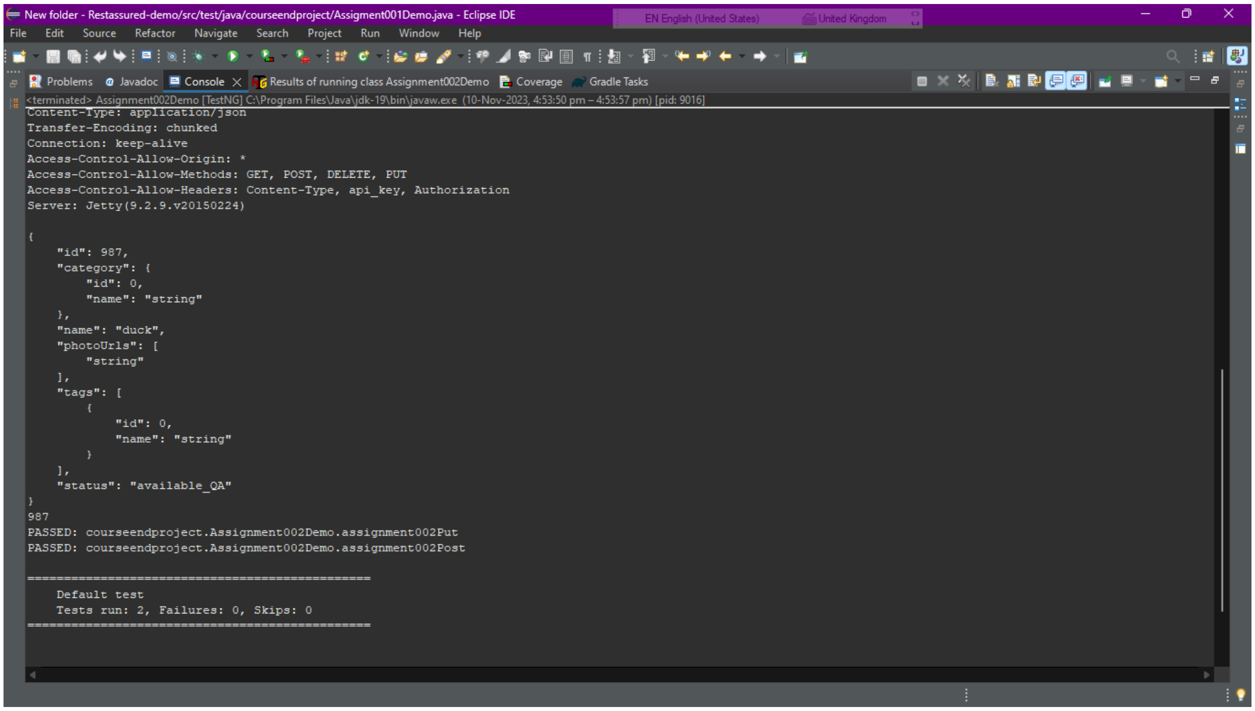
Source code :

```
package courseendproject;
import java.io.File;
import org.apache.logging.log4j.LogManager;
import org.apache.logging.log4j.Logger;
import org.hamcrest.Matchers;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
import io.restassured.http.ContentType;


public class Assigment001Demo {
    Logger logger = LogManager.getLogger(Assignment001Post.class);
    @Test(priority='1')
    public void assignment001Post()
    {
            logger.info("Course End project - Assignment001 - POST request");
            File file = new File("resources/data.json");
            int id = RestAssured.given()
            .baseUri("https://petstore.swagger.io/v2/pet")
            .contentType(ContentType.JSON)
            .body(file)
            .when().post()
            .then()
            .statusCode(200)
            .log().all()
```

```
        .body("name", Matchers.equalTo("duck")).extract().path("id");
logger.trace("The status code is checked");

System.out.println(id);

logger.trace("Id has been captured and validated");

}

@Test(priority='2',dependsOnMethods="assignment001Post")
public void assignment001Get()
{

        logger.info("Course End project - Assignment001 - GET request");
int id = RestAssured.given()
        .baseUri("https://petstore.swagger.io/v2/pet/987")
        .when()
        .get()
        .then()
        .statusCode(200)
        .log().all()
        .body("status", Matchers.equalTo("available")).extract().path("category.id");
System.out.println(id); // 0
logger.trace("Id and status has been captured and validated");
}
```

```
        @Test(priority='3',dependsOnMethods="assignment001Get")

        public void assignment001Delete()

        {

                logger.info("Course End project - Assignment001 - Delete request");

    RestAssured.given()

                .baseUri("https://petstore.swagger.io/v2/pet/987")

                .when()

                .delete()

                .then()

                .statusCode(200)

                .log().all()

                .body("code", Matchers.equalTo(200))

                .body("type", Matchers.equalTo("unknown"))

                .body("message", Matchers.equalTo("987"))

    }

}
```

Output:


New folder - Restassured-demo/src/test/java/courseendproject/Assigment001Demo.java - Eclipse IDE
EN English (United States)
United Kingdom
File
Edit
Source
Refactor
Navigate
Search
Project
Run
Window
Help
Problems
Javadoc
Console
Results of running class Assignment002Demo
Coverage
Gradle Tasks

```
<terminated> Assignment002Demo [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe  (10-Nov-2023, 4:53:50 pm – 4:53:57 pm) [pid: 9016]
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
Server: Jetty(9.2.9.v20150224)

{
    "id": 987,
    "category": {
        "id": 0,
        "name": "string"
    },
    "name": "duck",
    "photoUrls": [
        "string"
    ],
    "tags": [
        {
            "id": 0,
            "name": "string"
        }
    ],
    "status": "available_QA"
}
987
PASSED: courseendproject.Assignment002Demo.assignment002Put
PASSED: courseendproject.Assignment002Demo.assignment002Post

===============================================
    Default test
    Tests run: 2, Failures: 0, Skips: 0
===============================================
```

2.REST ASURED ASSIGNMENT:002

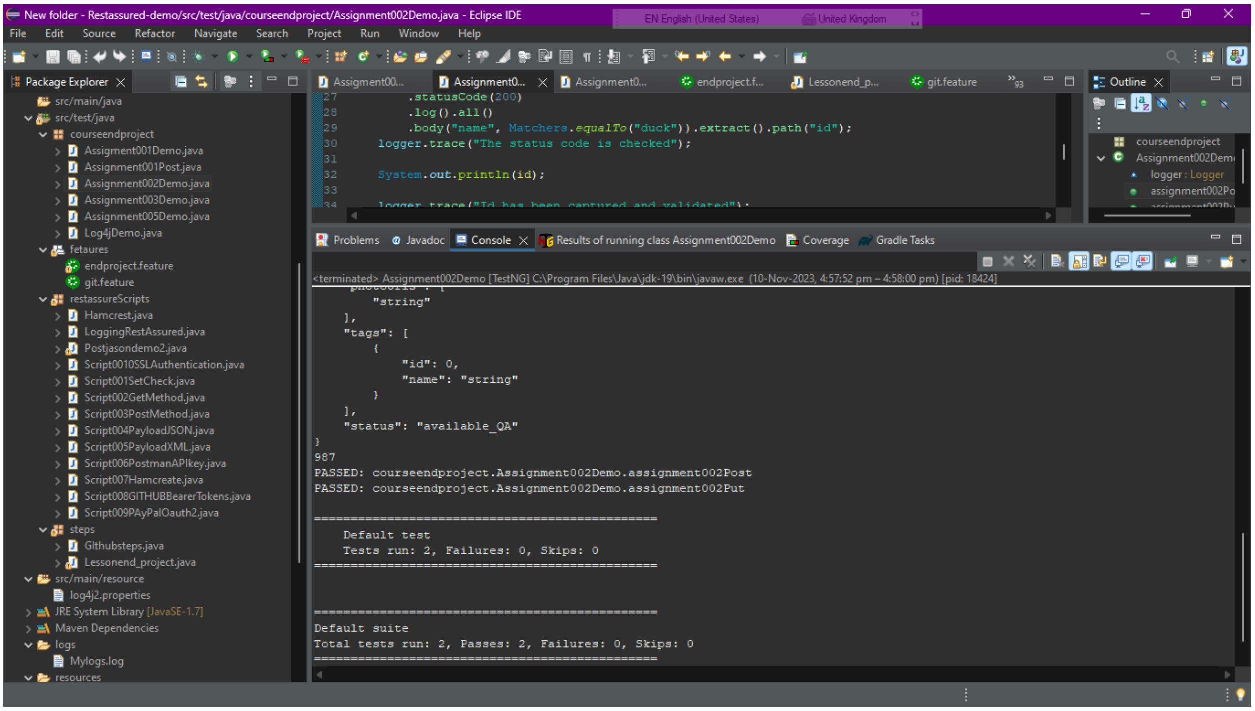
SOURCE CODE:

```
package courseendproject;

import java.io.File;



import org.apache.logging.log4j.LogManager;

import org.apache.logging.log4j.Logger;

import org.hamcrest.Matchers;

import org.testng.annotations.Test;



import io.restassured.RestAssured;

import io.restassured.http.ContentType;



public class Assignment002Demo {
```

```
Logger logger = LogManager.getLogger(Assignment002Demo.class);


@Test(priority='1')
public void assignment002Post()
{
        logger.info("Course End project - Assignment002 - POST request");
        File file = new File("resources/data.json");
        int id = RestAssured.given()
        .baseUri("https://petstore.swagger.io/v2/pet")
        .contentType(ContentType.JSON)
        .body(file)
        .when().post()
        .then()
        .statusCode(200)
        .log().all()
        .body("name", Matchers.equalTo("duck")).extract().path("id");
logger.trace("The status code is checked");


System.out.println(id);


logger.trace("Id has been captured and validated");


}
```

```
        @Test(priority='2',dependsOnMethods = "assignment002Post")

        public void assignment002Put()

        {

                File file = new File("resources/dataput.json");

        int id = RestAssured.given()

                .baseUri("https://petstore.swagger.io/v2/pet/")

                .contentType(ContentType.JSON)

                .body(file)

                .when()

                .post()

                .then()

                .statusCode(200)

                .log().all()

                .body("status", Matchers.equalTo("available_QA")).extract().path("id");


        System.out.println(id);




        }

}
```

OUTPUT:



```
            .statusCode(200)
            .log().all()
            .body("name", Matchers.equalTo("duck")).extract().path("id");
    logger.trace("The status code is checked");

    System.out.println(id);

    logger.trace("Id has been captured and validated");
```

<terminated> Assignment002Demo [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe (10-Nov-2023, 4:57:52 pm – 4:58:00 pm) [pid: 18424]

```
        "string"
    ],
    "tags": [
        {
            "id": 0,
            "name": "string"
        }
    ],
    "status": "available_QA"
}
987
PASSED: courseendproject.Assignment002Demo.assignment002Post
PASSED: courseendproject.Assignment002Demo.assignment002Put

===============================================
    Default test
    Tests run: 2, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
===============================================
```

3.REST ASURED ASSIGNMENT:003

- To Create a TestNG test and implement the scenario
- Hit a GET call with URL: https://petstore.swagger.io/v2/user/Uname001
- All assertion/validation should be done using Hamcrest
- Validate response as 200
- Validate username = Uname001 in JSON response
- Validate email = Positive@Attitude.com in JSON response
- Validate userStatus = 1 in JSON response

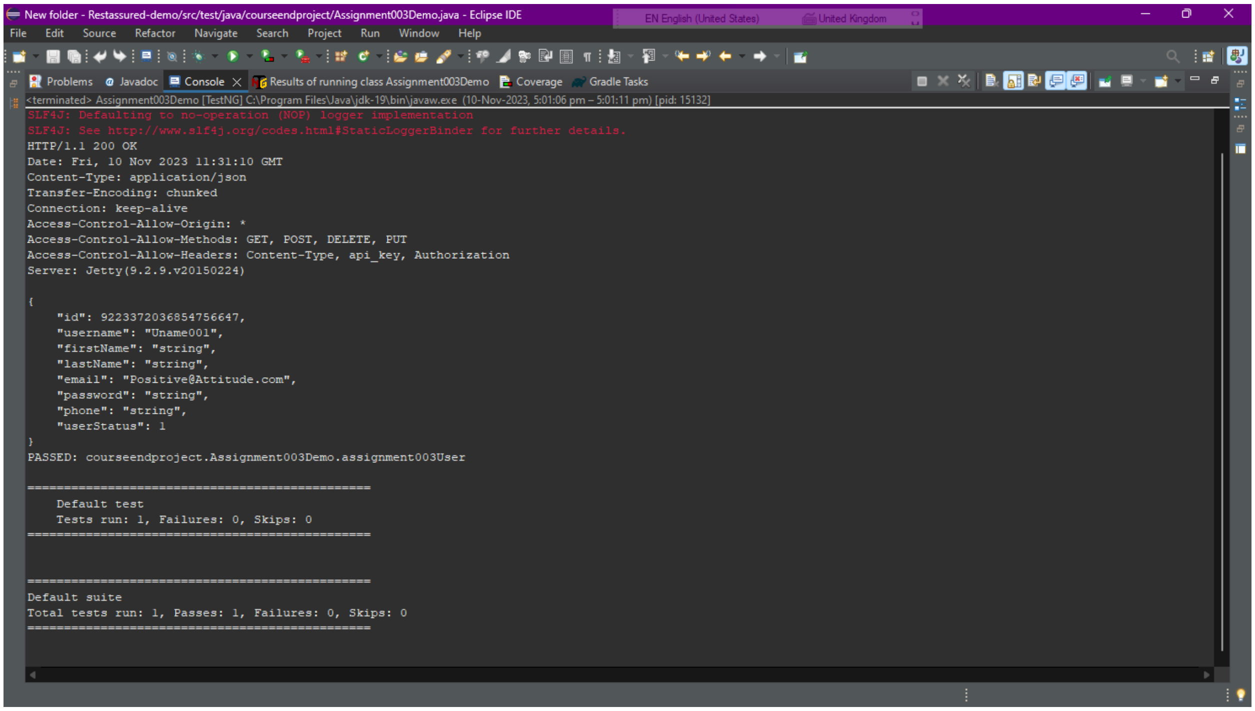
Source code:

import org.hamcrest.Matchers;

import org.testng.annotations.Test;

```
import io.restassured.RestAssured;

public class Assignment003Demo {

        @Test(priority='1')
        public void assignment003User()
        {
                RestAssured.given()
                .baseUri("https://petstore.swagger.io/v2/user/Uname001")
                .when()
                .get()
                .then()
                .statusCode(200)
                .log().all()
                .body("username", Matchers.equalTo("Uname001"))
                .body("email", Matchers.equalTo("Positive@Attitude.com"))
                .body("userStatus", Matchers.equalTo(1))
                ;



        }
```

OUTPUT:



New folder - Restassured-demo/src/test/java/courseendproject/Assignment003Demo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Console Results of running class Assignment003Demo Coverage Gradle Tasks

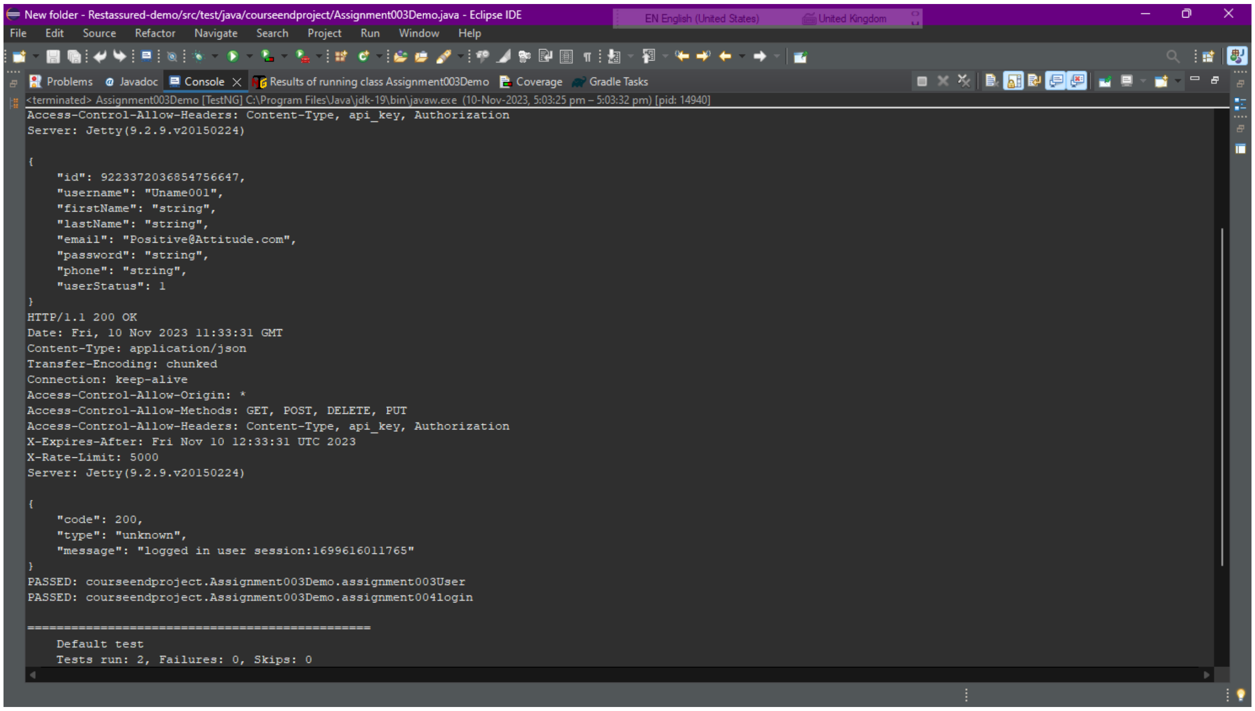
```
<terminated> Assignment003Demo [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe (10-Nov-2023, 5:01:06 pm – 5:01:11 pm) [pid: 15132]
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 11:31:10 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
Server: Jetty(9.2.9.v20150224)

{
    "id": 9223372036854756647,
    "username": "Uname001",
    "firstName": "string",
    "lastName": "string",
    "email": "Positive@Attitude.com",
    "password": "string",
    "phone": "string",
    "userStatus": 1
}
PASSED: courseendproject.Assignment003Demo.assignment003User

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
===============================================
```

4.REST ASURED ASSIGNMENT:004

SOURCE CODE:

```
package courseEndProject;


import org.hamcrest.Matchers;

import org.testng.annotations.Test;


import io.restassured.RestAssured;


public class Assignment003Demo {


	@Test(priority='1')

	public void assignment003User()

	{
    RestAssured.given()
    .baseUri("https://petstore.swagger.io/v2/user/Uname001")
    .when()
    .get()
    .then()
    .statusCode(200)
    .log().all()
    .body("username", Matchers.equalTo("Uname001"))
    .body("email", Matchers.equalTo("Positive@Attitude.com"))
    .body("userStatus", Matchers.equalTo(1));

@Test(priority='2')
public void assignment004login()
{
    RestAssured.given()
    .baseUri("https://petstore.swagger.io/v2/user/login")
    .auth().preemptive().basic("Uname001", "@tt!tude")
    .when()
    .get()
    .then()
    .statusCode(200)
    .log().all()
    .body("message", Matchers.anything());


}
```

}


New folder - Restassured-demo/src/test/java/courseendproject/Assignment003Demo.java - Eclipse IDE
EN English (United States)
United Kingdom
File
Edit
Source
Refactor
Navigate
Search
Project
Run
Window
Help
Problems
Javadoc
Console
Results of running class Assignment003Demo
Coverage
Gradle Tasks

```
<terminated> Assignment003Demo [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe (10-Nov-2023, 5:03:25 pm – 5:03:32 pm) [pid: 14940]
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
Server: Jetty(9.2.9.v20150224)

{
    "id": 9223372036854756647,
    "username": "Uname001",
    "firstName": "string",
    "lastName": "string",
    "email": "Positive@Attitude.com",
    "password": "string",
    "phone": "string",
    "userStatus": 1
}
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 11:33:31 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
X-Expires-After: Fri Nov 10 12:33:31 UTC 2023
X-Rate-Limit: 5000
Server: Jetty(9.2.9.v20150224)

{
    "code": 200,
    "type": "unknown",
    "message": "logged in user session:1699616011765"
}
PASSED: courseendproject.Assignment003Demo.assignment003User
PASSED: courseendproject.Assignment003Demo.assignment004login

===============================================
    Default test
    Tests run: 2, Failures: 0, Skips: 0
```

5.REST ASURED ASSIGNMENT:005

Description:

Create a TestNG test and implement the below scenario

● Hit a GET call with URL: https://petstore.swagger.io/v2/pet/findByStatus

● Use REST Assured params as status

● All assertion/validation should be done using Hamcrest

● When status = available and if after hitting the URL, response status = 200, then validate for all pet details that their response status = available

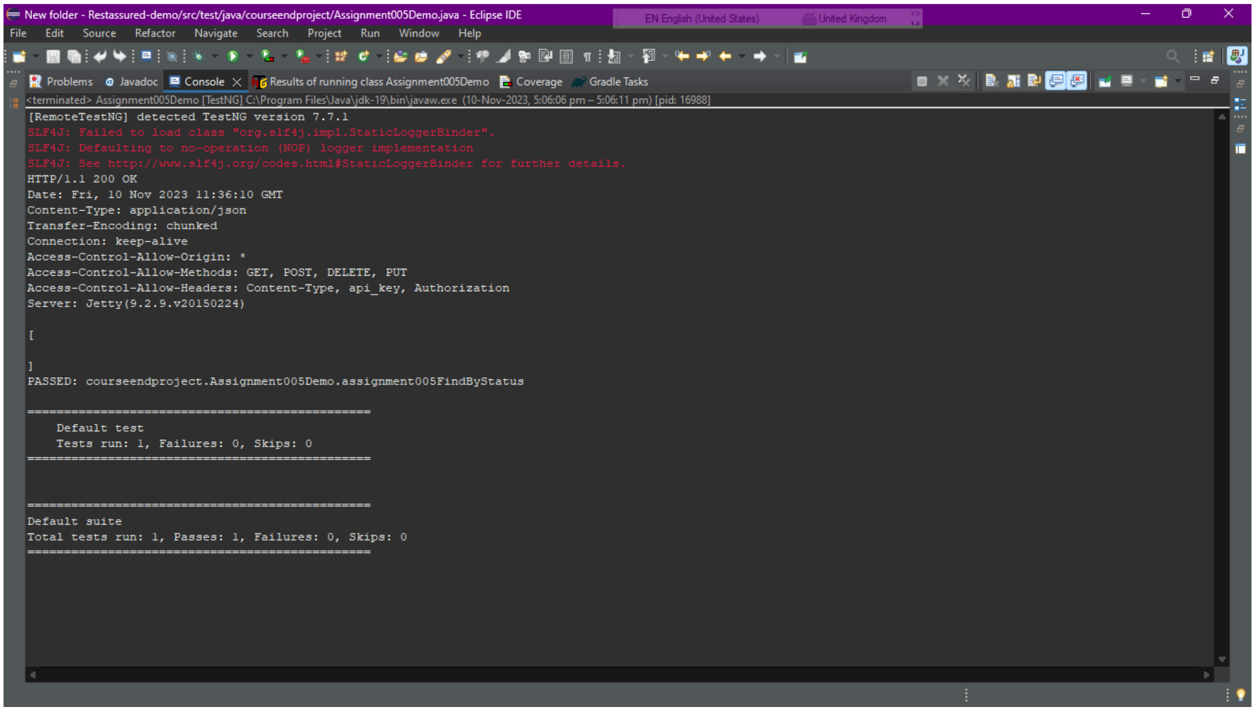
● When status = pending and if after hitting the URL, response status = 200, then validate for all pet details that their response status = pending

● When status = sold and if after hitting the URL, response status = 200, then validate for all pet details that their response status = sold

SOURCE CODE:

```
import org.hamcrest.Matchers;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
public class Assignment005Demo {
        @Test(priority='1')
        public void assignment005FindByStatus()
        {
                RestAssured.given()
                .baseUri("https://petstore.swagger.io/v2/pet/findByStatus")
                //.queryParam("status", "available")
                //.queryParam("status", "pending")
                .queryParam("status", "sold")
                .when()
                .get()
                .then()
                .statusCode(200)
                .log().all();}
```

OUPUT:


New folder - Restassured-demo/src/test/java/courseendproject/Assignment005Demo.java - Eclipse IDE
EN English (United States)
United Kingdom
File
Edit
Source
Refactor
Navigate
Search
Project
Run
Window
Help
Problems
Javadoc
Console
Results of running class Assignment005Demo
Coverage
Gradle Tasks

```
<terminated> Assignment005Demo [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe  (10-Nov-2023, 5:06:06 pm – 5:06:11 pm) [pid: 16988]
[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/codes.html#StaticLoggerBinder for further details.
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 11:36:10 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
Server: Jetty(9.2.9.v20150224)

[

]
PASSED: courseendproject.Assignment005Demo.assignment005FindByStatus

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
===============================================
```

6.REST ASURED ASSIGNMENT:006

Description:

To Create a TestNG test and implement the below scenario

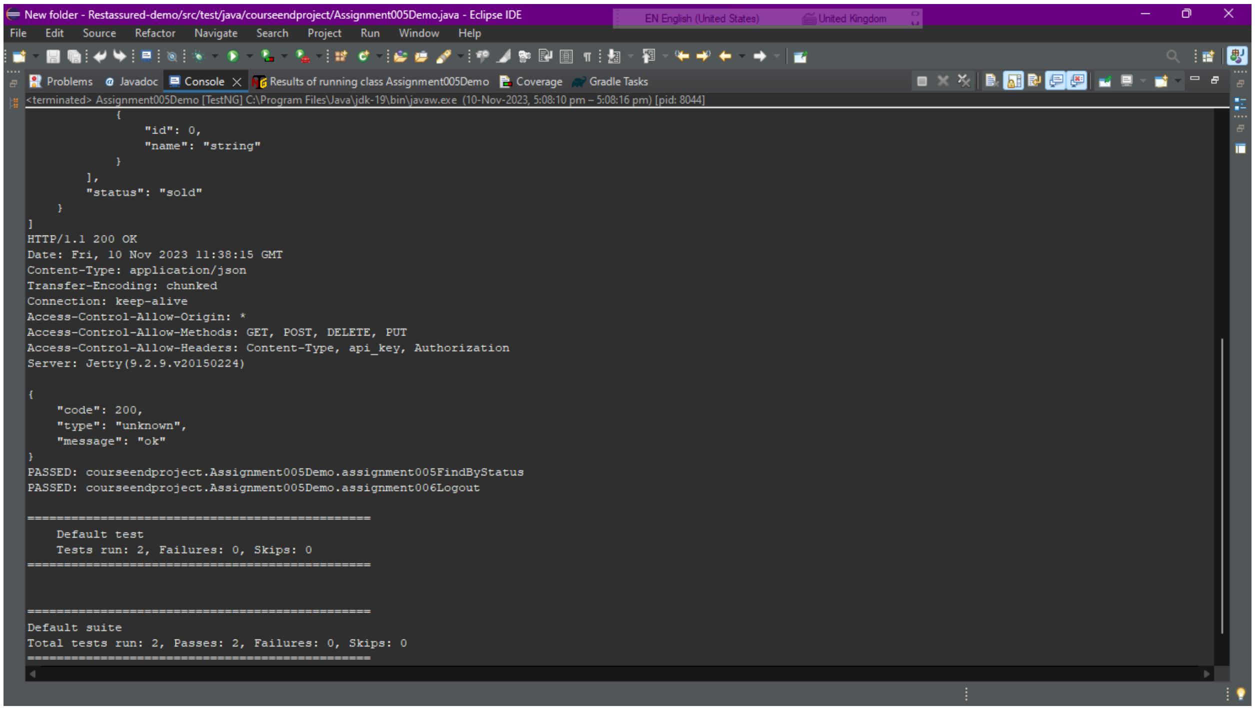
- Hit a GET call with URL: https://petstore.swagger.io/v2/user/logout
- All assertion/validation should be done using Hamcrest
- Validate response as 200
- Validate code = 200 in response
- Validate message = OK in response

Source code:

package courseEndProject;

```
import org.hamcrest.Matchers;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class Assignment005Demo {

        @Test(priority='1')

        public void assignment005FindByStatus()

        {

                RestAssured.given()

                .baseUri("https://petstore.swagger.io/v2/pet/findByStatus")

                //.queryParam("status", "available")

                //.queryParam("status", "pending")

                .queryParam("status", "sold")

                .when()

                .get()

                .then()

                .statusCode(200)

                .log().all() ;}

        @Test(priority='2')

        public void assignment006Logout()

        {

                RestAssured.given()

                .baseUri("https://petstore.swagger.io/v2/user/logout")

                .when()

                .get()

                .then()
                .statusCode(200)

                .log().all()

                .body("code", Matchers.equalTo(200))

                .body("type", Matchers.equalTo("unknown"))

                .body("message", Matchers.equalTo("ok"));}}
```

OUTPUT:


New folder - Restassured-demo/src/test/java/courseendproject/Assignment005Demo.java - Eclipse IDE
EN English (United States)
United Kingdom
File
Edit
Source
Refactor
Navigate
Search
Project
Run
Window
Help
Problems
Javadoc
Console
Results of running class Assignment005Demo
Coverage
Gradle Tasks

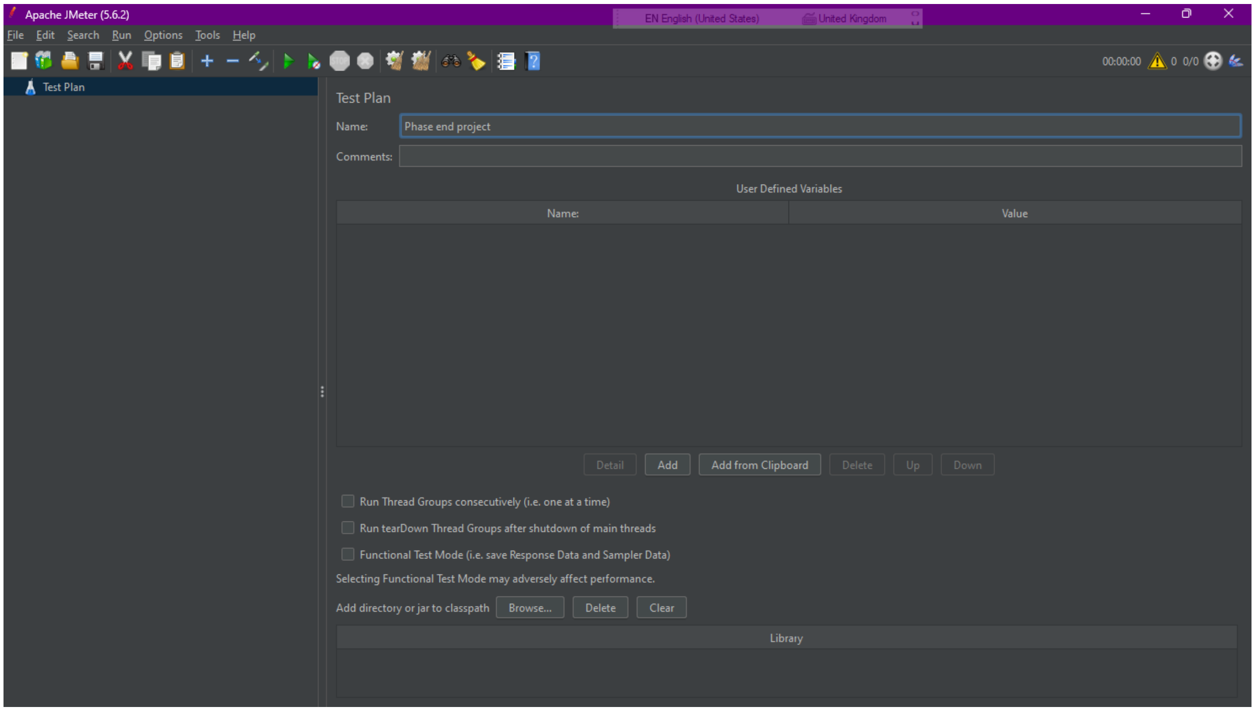
<terminated> Assignment005Demo [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe (10-Nov-2023, 5:08:10 pm – 5:08:16 pm) [pid: 8044]

```
            {
                "id": 0,
                "name": "string"
            }
        ],
        "status": "sold"
    }
]
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 11:38:15 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
Server: Jetty(9.2.9.v20150224)

{
    "code": 200,
    "type": "unknown",
    "message": "ok"
}
PASSED: courseendproject.Assignment005Demo.assignment005FindByStatus
PASSED: courseendproject.Assignment005Demo.assignment006Logout

===============================================
    Default test
    Tests run: 2, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
===============================================
```

Jmeter Assignment:

Open JMeter

- Validate https://httpbin.org/basic-auth/user/passwd link using HTTP Authentication manager
- Default username is user, and the default password is passwd
- Validate response is a JSON file using JSON assertion
- Using HTTP sampler, hit https://www.simplilearn.com and validate xpath as //img[@title='Simplilearn - Online Certification Training Course Provider']
- Increase the thread count and do lead testing


Apache JMeter (5.6.2)
File Edit Search Run Options Tools Help
00:00:00 0 0/0
Test Plan
Detail Add Add from Clipboard Delete Up Down
Browse... Delete Clear

Test Plan

Name: Phase end project

Comments:

User Defined Variables

Name:	Value

□ Run Thread Groups consecutively (i.e. one at a time)

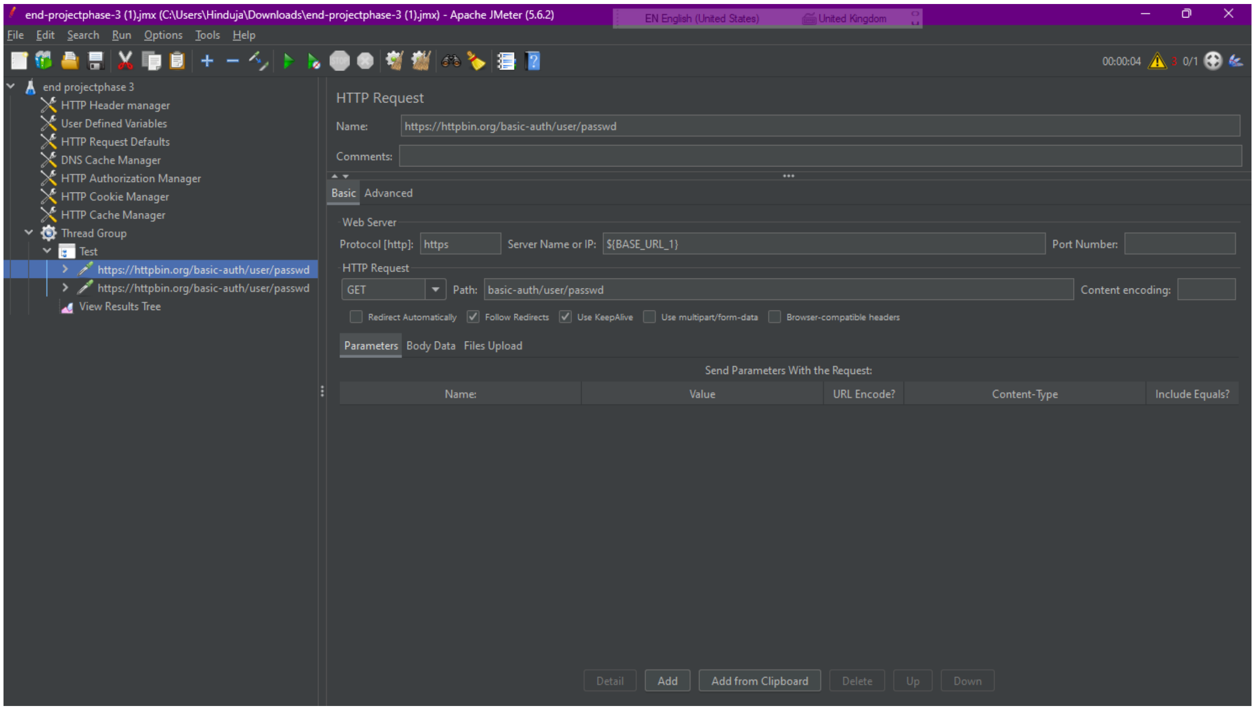
□ Run tearDown Thread Groups after shutdown of main threads

□ Functional Test Mode (i.e. save Response Data and Sampler Data)

Selecting Functional Test Mode may adversely affect performance.

Add directory or jar to classpath

Library


end-projectphase-3 (1).jmx (C:\Users\Hinduja\Downloads\end-projectphase-3 (1).jmx) - Apache JMeter (5.6.2)
File Edit Search Run Options Tools Help
00:00:04 0/1
end projectphase 3
HTTP Header manager
User Defined Variables
HTTP Request Defaults
DNS Cache Manager
HTTP Authorization Manager
HTTP Cookie Manager
HTTP Cache Manager
Thread Group
Test
https://httpbin.org/basic-auth/user/passwd
https://httpbin.org/basic-auth/user/passwd
View Results Tree
Basic Advanced
Parameters Body Data Files Upload
Detail Add Add from Clipboard Delete Up Down

HTTP Request

Name: https://httpbin.org/basic-auth/user/passwd

Comments:

Web Server

Protocol [http]: https Server Name or IP: ${BASE_URL_1} Port Number:

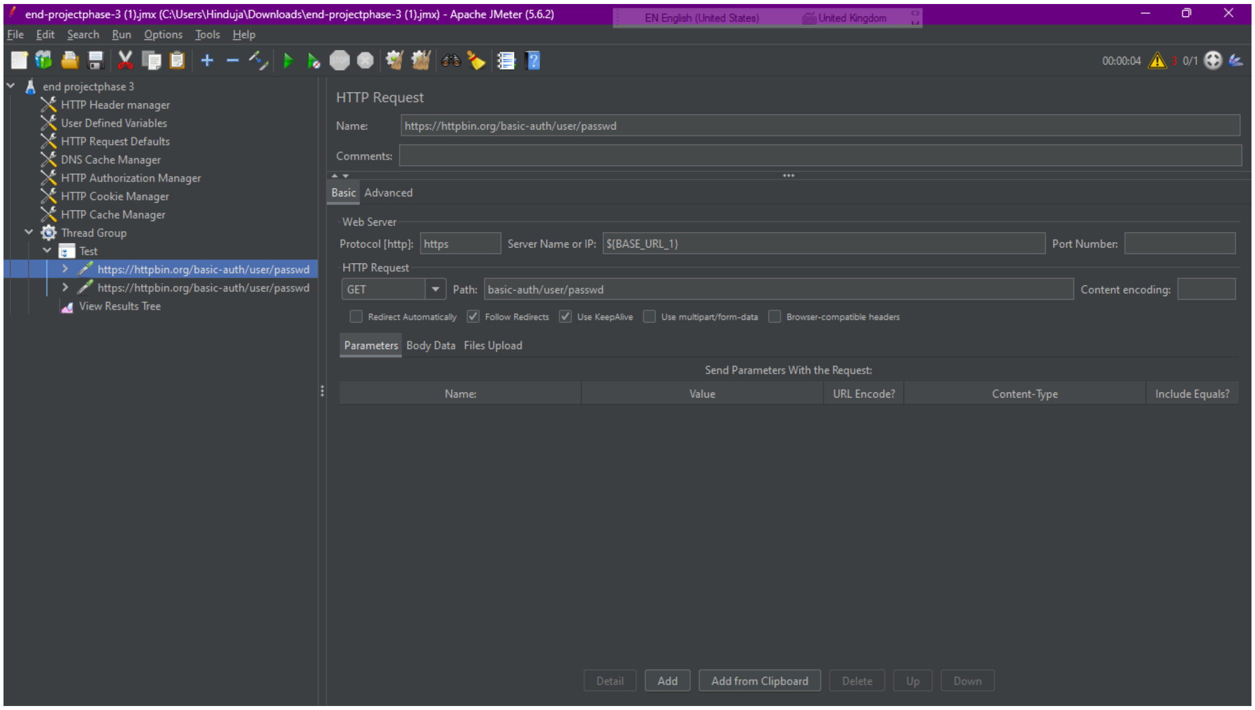
HTTP Request

GET Path: basic-auth/user/passwd Content encoding:

□ Redirect Automatically ☑ Follow Redirects ☑ Use KeepAlive □ Use multipart/form-data □ Browser-compatible headers

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?



end-projectphase-3 (1).jmx (C:\Users\Hinduja\Downloads\end-projectphase-3 (1).jmx) - Apache JMeter (5.6.2)

- end projectphase 3
  - HTTP Header manager
  - User Defined Variables
  - HTTP Request Defaults
  - DNS Cache Manager
  - HTTP Authorization Manager
  - HTTP Cookie Manager
  - HTTP Cache Manager
  - Thread Group
    - Test
      - https://httpbin.org/basic-auth/user/passwd
      - https://httpbin.org/basic-auth/user/passwd
    - View Results Tree

HTTP Request

Name: https://httpbin.org/basic-auth/user/passwd

Comments:

Basic | Advanced

Web Server

Protocol [http]: https   Server Name or IP: ${BASE_URL_1}   Port Number:

HTTP Request

GET   Path: basic-auth/user/passwd   Content encoding:

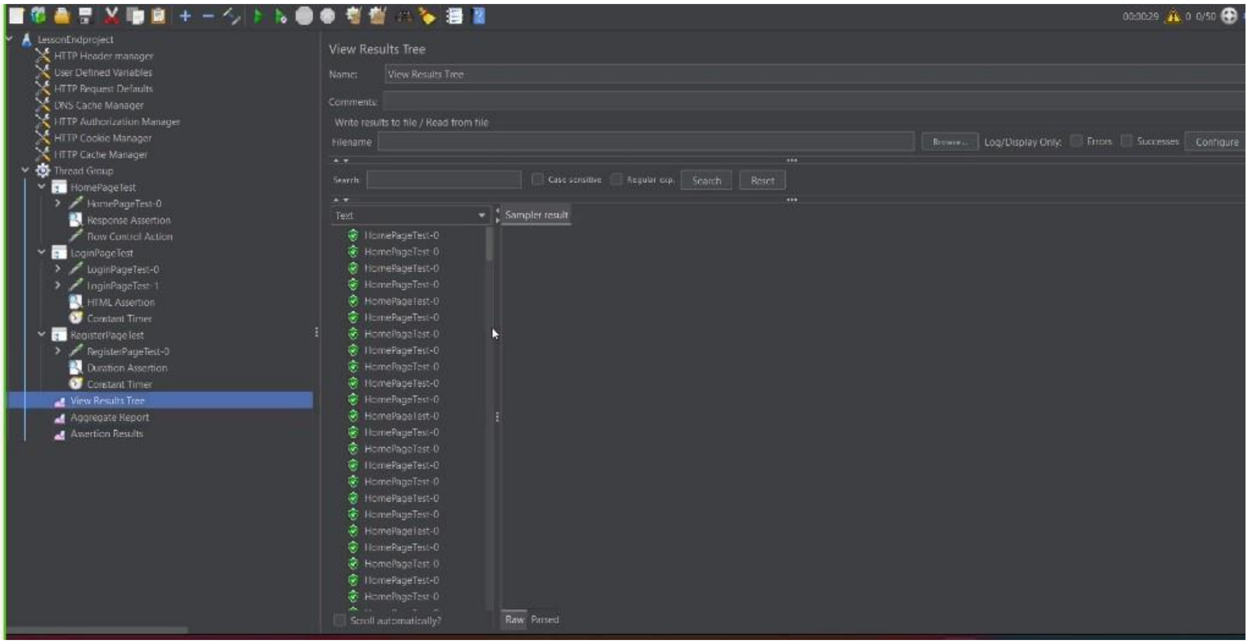
□ Redirect Automatically ☑ Follow Redirects ☑ Use KeepAlive □ Use multipart/form-data □ Browser-compatible headers

Parameters | Body Data | Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?

Out put:



```
LessonEndproject
  HTTP Header manager
  User Defined Variables
  HTTP Request Defaults
  DNS Cache Manager
  HTTP Authorization Manager
  HTTP Cookie Manager
  HTTP Cache Manager
  Thread Group
    HomePageTest
      HomePageTest-0
      Response Assertion
      Flow Control Action
    LoginPageTest
      LoginPageTest-0
      LoginPageTest-1
      HTML Assertion
      Constant Timer
    RegisterPageTest
      RegisterPageTest-0
      Duration Assertion
      Constant Timer
    View Results Tree
    Aggregate Report
    Assertion Results
```

00:00:29 ⚠ 0 0/50

View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename

Browse... Log/Display Only: □ Errors □ Successes Configure

Search: □ Case sensitive □ Regular exp. Search Reset

Text ▾ | Sampler result

```
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
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HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
HomePageTest-0
```

□ Scroll automatically?

Raw Parsed