

Source code:

Postman Assignment 001:

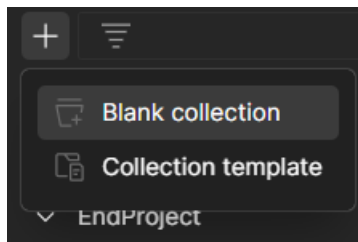
Create pet Id and pet name:

First create excel sheet and enter pet names pet id

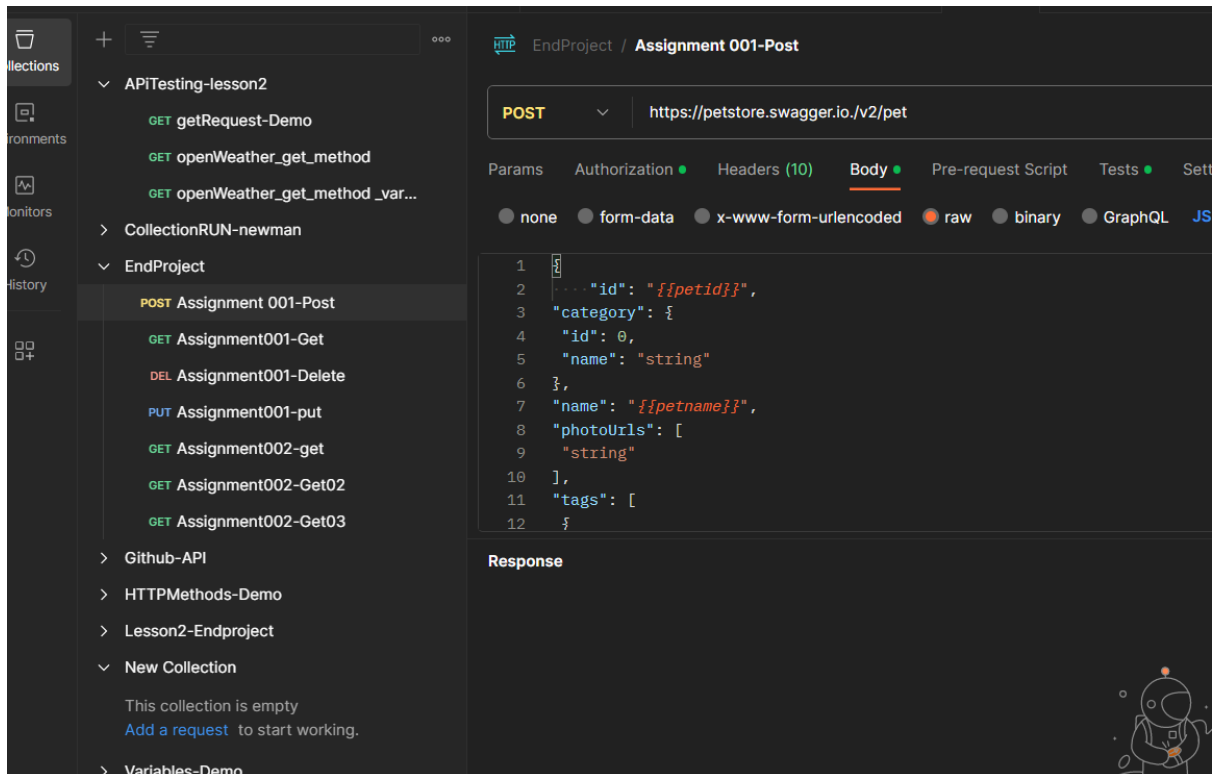
A	B	C	D	E	F
petid	Pet name				
110	cat				
120	dog				
130	Tiger				
140	bird				
150	Lion				
160	Donkey				
170	cow				
180	doggie				
190	jauguar				
200	hen				
210	goat				
220	horse				
230	bear				
240	sheep				
250	rat				
260	mice				
270	fish				
280	ant				
290	bee				

And save it as project pet id select as csv & delimited & save as in desktop folder

- Open Postman
- Create a new collection called **Phase end project** and arrange three end-to-end services as shown below:



In this blank collection add new request



In this request part add Assignment_001-Post

[url:https://petstore.swagger.io/v2/pet](https://petstore.swagger.io/v2/pet)

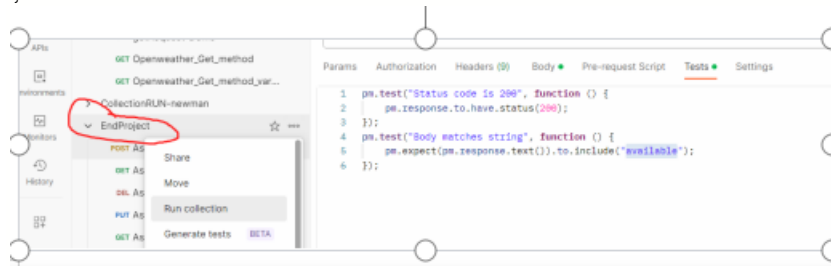
in body part select raw area and select text as json

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

```

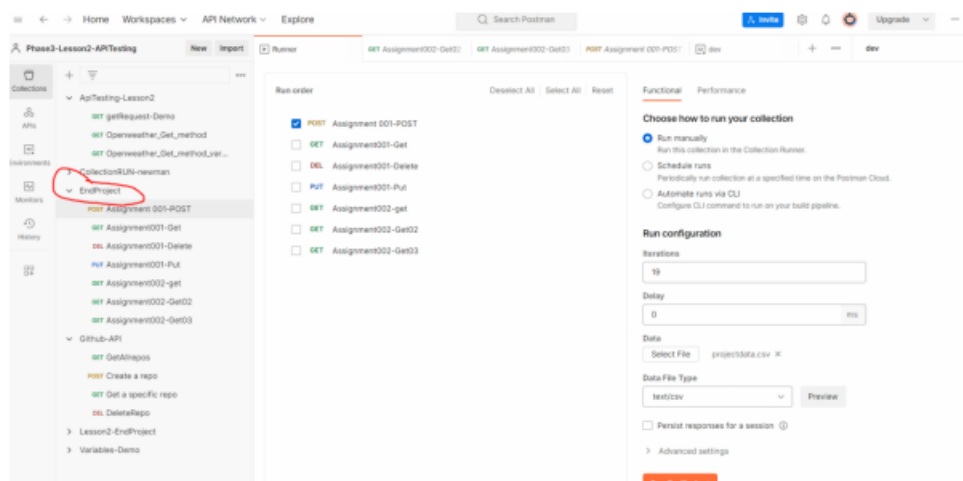
    "id": 0,
    "name": "string"
  },
],
"status": "available"
}
{
  "id": "{{petid}}",
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "{{petname}}",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}

```



In this area add body part also

Go to end project click 3 dots select run collection



EndProject - Run results

Ran today at 12:37:38 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	dev	19	8s 854ms	38	340 ms

All Tests Passed (38) Failed (0) Skipped (0) [View Summary](#)

```

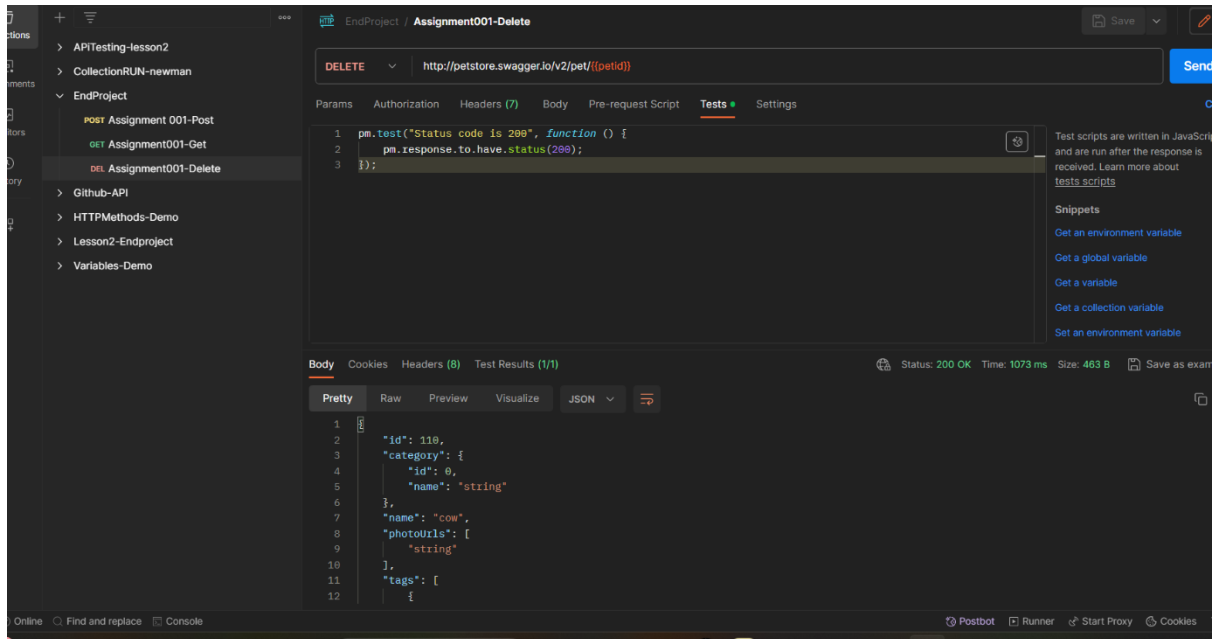
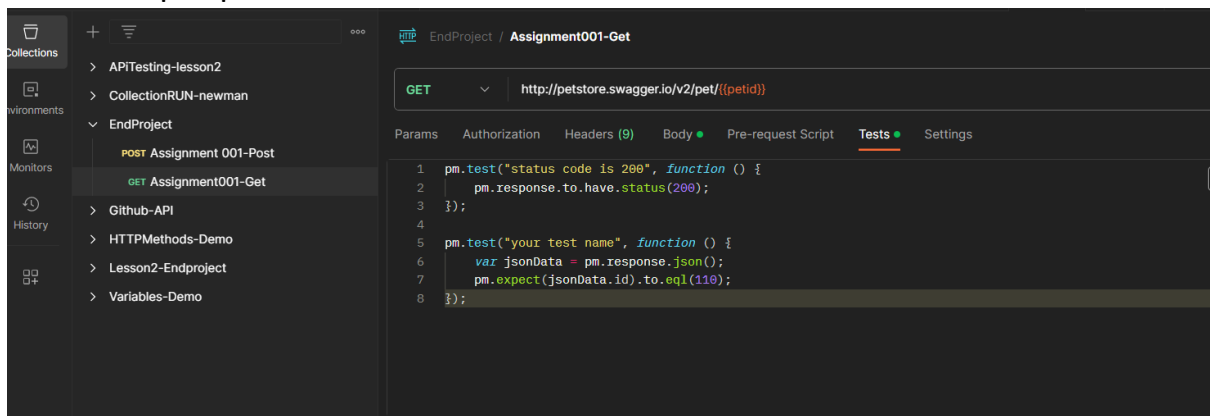
1  PASS Status code is 200
2  PASS Body matches string
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```

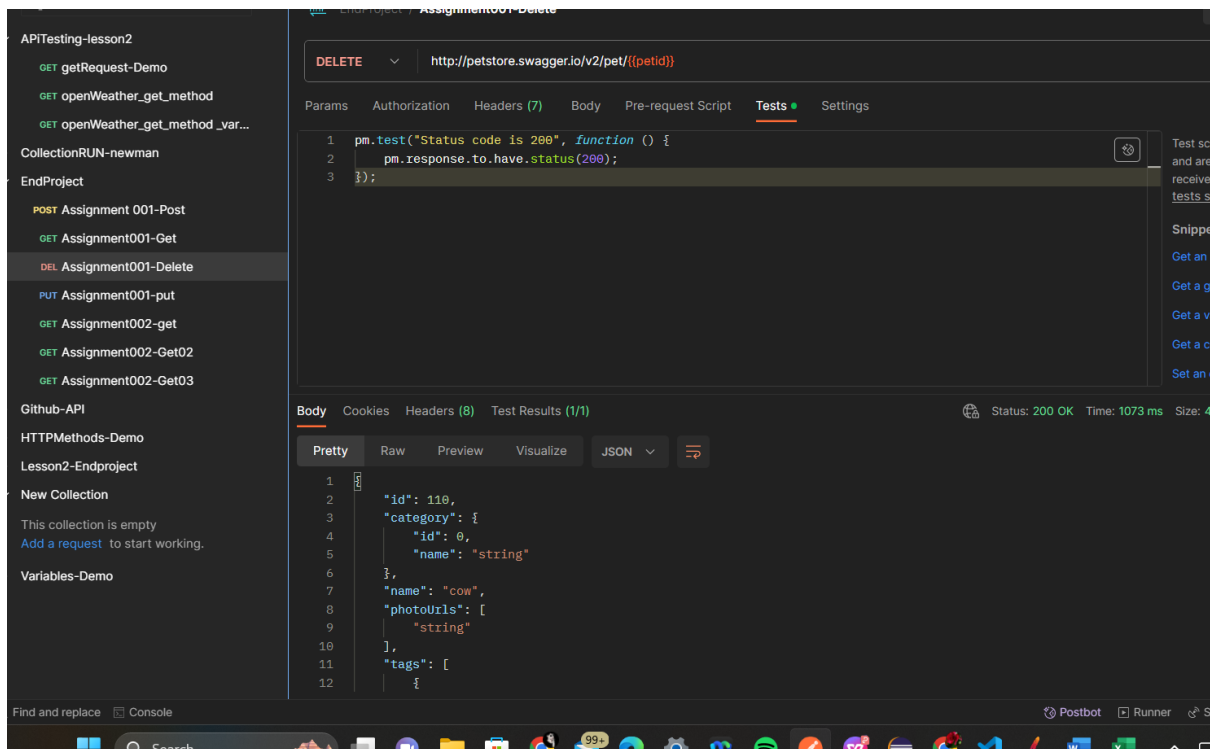
"tags": [
  {
    "id": 0,
    "name": "string"
  }
],
"status": "available"
}

```

This is output part



And next Take add request as delete – Assignment001-delete



In this environment part select dev enter pet id & pet names

Globals

dev

prod

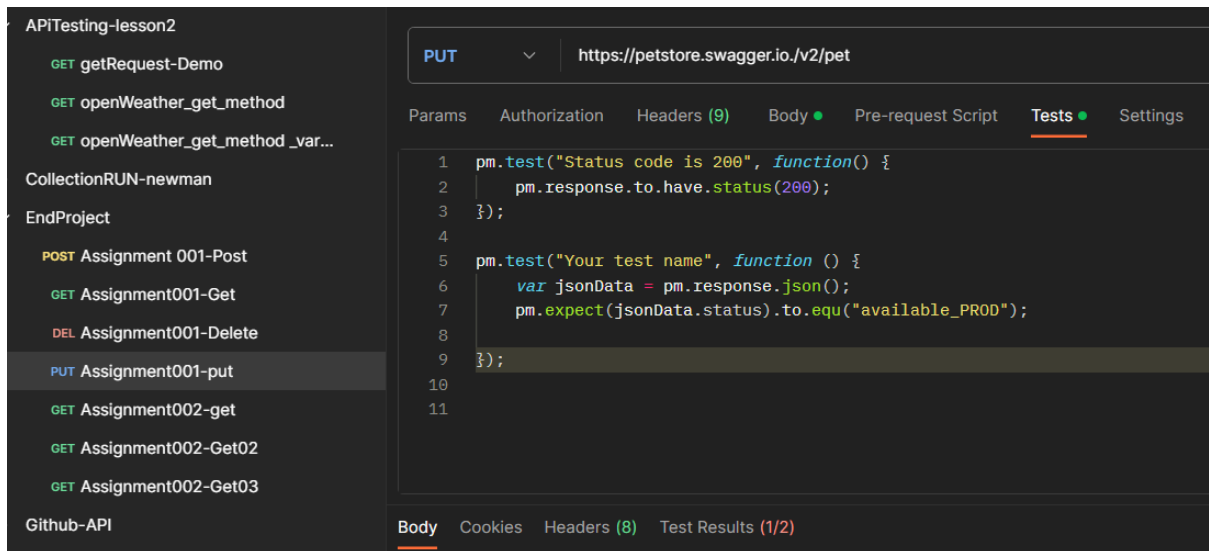
Project-Variables

QA

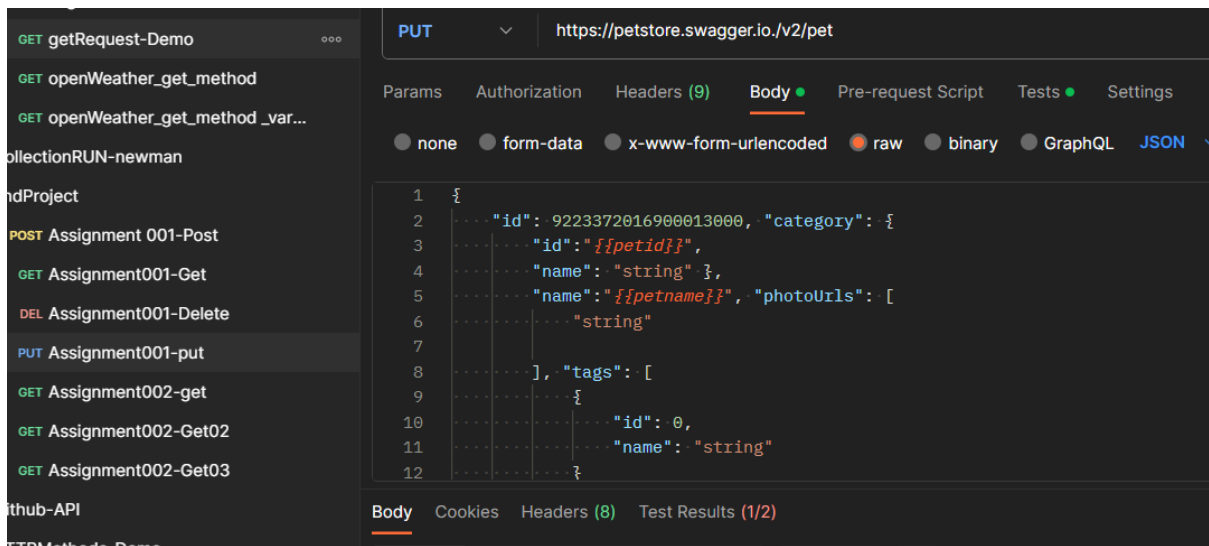
Filter variables

Variable	Type	Initial value	Current value
<input checked="" type="checkbox"/> city	default	New York	New York
<input checked="" type="checkbox"/> repoName	default		postman-Apl-237
<input checked="" type="checkbox"/> owner	default		sravssmily
<input checked="" type="checkbox"/> petid	default	110	110
<input checked="" type="checkbox"/> petname	default	cat	cat
<input checked="" type="checkbox"/> envstatus	default	available_DEV	available_DEV
Add new variable			

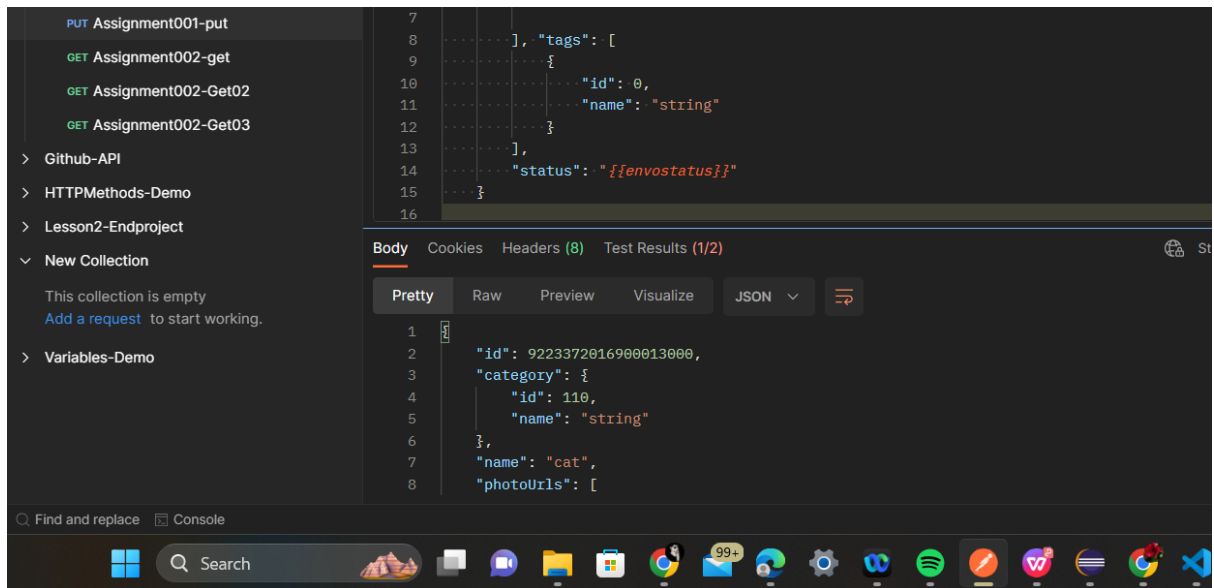
Next take Put assignment001-Demo



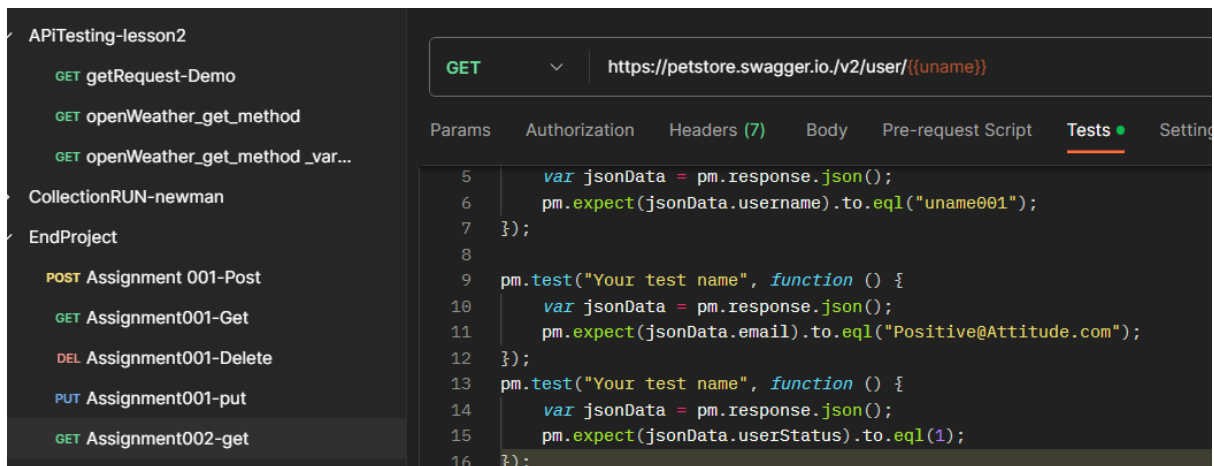
Next take put body part enter script



Its output part



Next take get assignment002-get



And select environment variables

dev		Variable	Type	Initial value	Current value
prod	<input checked="" type="checkbox"/>	uname	default	Uname001	Uname001
Project-Variables		Add new variable			
QA					

And next select Get Assignment002-get02 method

APITesting-lesson2

- GET getRequest-Demo
- GET openWeather_get_method
- GET openWeather_get_method_var...

CollectionRUN-newman

EndProject

- POST Assignment 001-Post
- GET Assignment001-Get
- DEL Assignment001-Delete
- PUT Assignment001-put
- GET Assignment002-get
- GET Assignment002-Get02
- GET Assignment002-Get03

Github-API

HTTPMethods-Demo

Lesson2-Endproject

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

Params • Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

	Key	Value
<input checked="" type="checkbox"/>	status	available
	Key	Value

Body Cookies Headers (8) Test Results

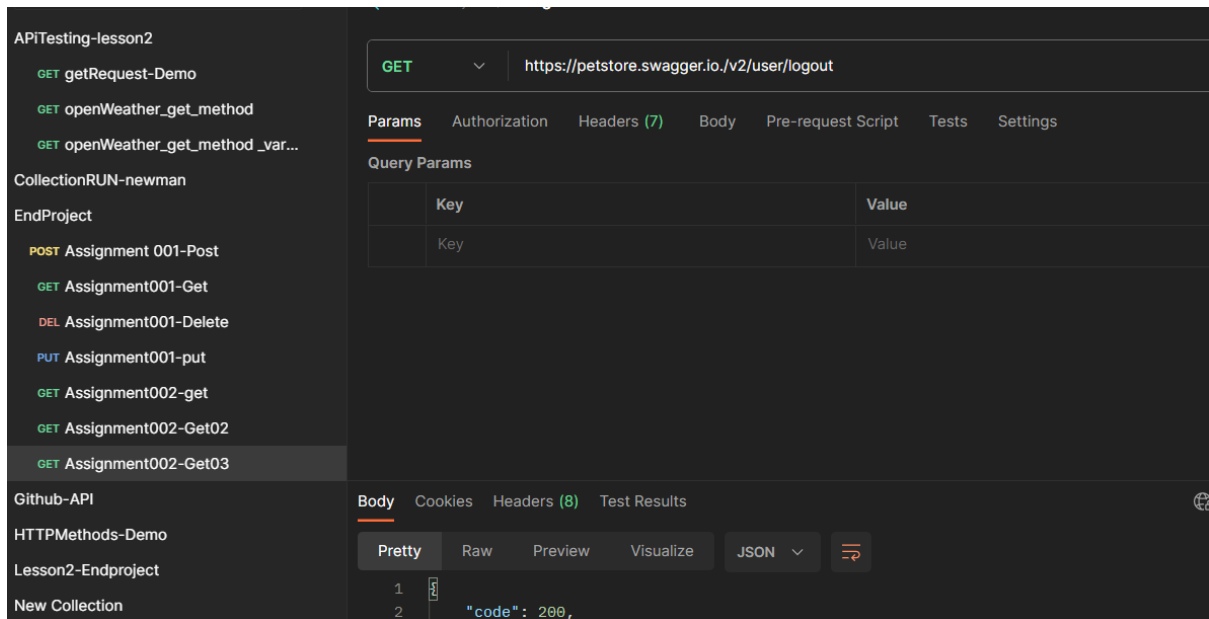
Pretty Raw Preview Visualize JSON ↕

Body Cookies Headers (8) Test Results

Pretty Raw Preview Visualize JSON ↕

```
4      "category": {
5        "id": 0,
6        "name": "string"
7      },
8      "name": "doggie",
9      "photoUrls": [
10       "string"
11     ],
12     "tags": [
13       {
14         "id": 0,
15         "name": "string"
16       }
17     ]
18   }
19 }
```

Next take Get Assignment002-Get 3 method



Next Take Rest Assured Assignments:

Go to eclipse part create a project reassured scripts

Enter package name phase end project take class name Assignment001

```
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 Assignment001Demo {
```

```
    Logger logger = LogManager.getLogger(Assignment001Demo.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()
        .baseUrl("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()
        .baseUrl("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()
    .baseUrl("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 part:

```

[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.
[INFO ] 2023-11-10 20:36:35.517 [main] Assignment001Demo - Course End project - Assignment001 - POST request
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 15:06:41 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": 987,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "duck",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ]
}

```

Next step is Assignment002 post.java

```
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 Assignment002Post {
```

```
    Logger logger = LogManager.getLogger(Assignment002Post.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()

            .baseUrl("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()

        .baseUrl("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:

```

[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.
[INFO ] 2023-11-10 19:16:57.735 [main] Assignment001Demo - Course End project - Assignment001 - POST request
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 13:47:04 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": 987,
  "category": {
    "id": 0,
    "name": "string"
  },
  "name": "duck",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "available"
}
987
[INFO ] 2023-11-10 19:17:02.901 [main] Assignment001Demo - Course End project - Assignment001 - GET request
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 13:47:07 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT

```

Next Assignment003 Demo.java

```

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()
        .baseUrl("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()
        .baseUrl("https://petstore.swagger.io/v2/user/login")
        .auth().preemptive().basic("Uname001", "@tt!tude")
        .when()
        .get()
        .then()
        .statusCode(200)
        .log().all()
        .body("message", Matchers.anything());
}

```


Next Assignment004

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

Next take Assignment 005 Demo

```
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()
```

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

```
        //.queryParams("status", "available")
    }
}
```

```
        // .queryParams("status", "pending")
        .queryParams("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"))

        ;
}
```

```
}
```

```
}
```

```
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 14:01:33 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": 381,
  "category": {
    "id": 0,
    "name": "Cat"
  },
  "name": "Hilma",
  "photoUrls": [
    "string"
  ],
  "tags": [
    {
      "id": 0,
      "name": "string"
    }
  ],
  "status": "sold"
}
```

```
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 14:01:35 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
```

28°C
Mostly cloudy



Search



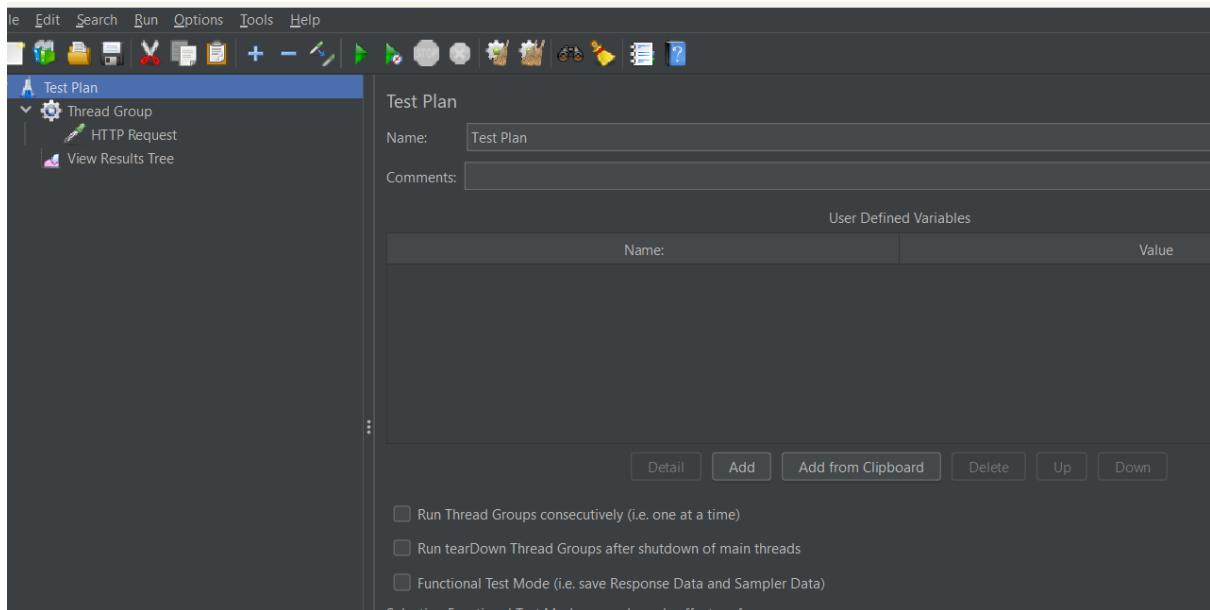
J meter part :

J meter part take simplilearn website

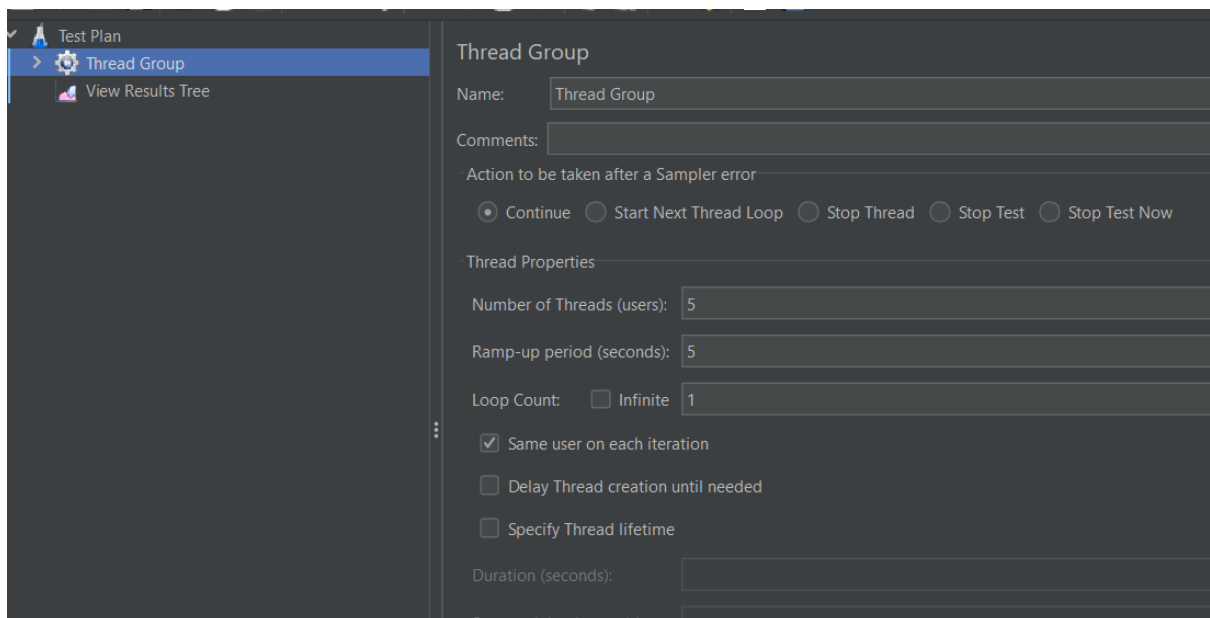
First go to j meter add test plan

In test plan add thread groups(user thread)

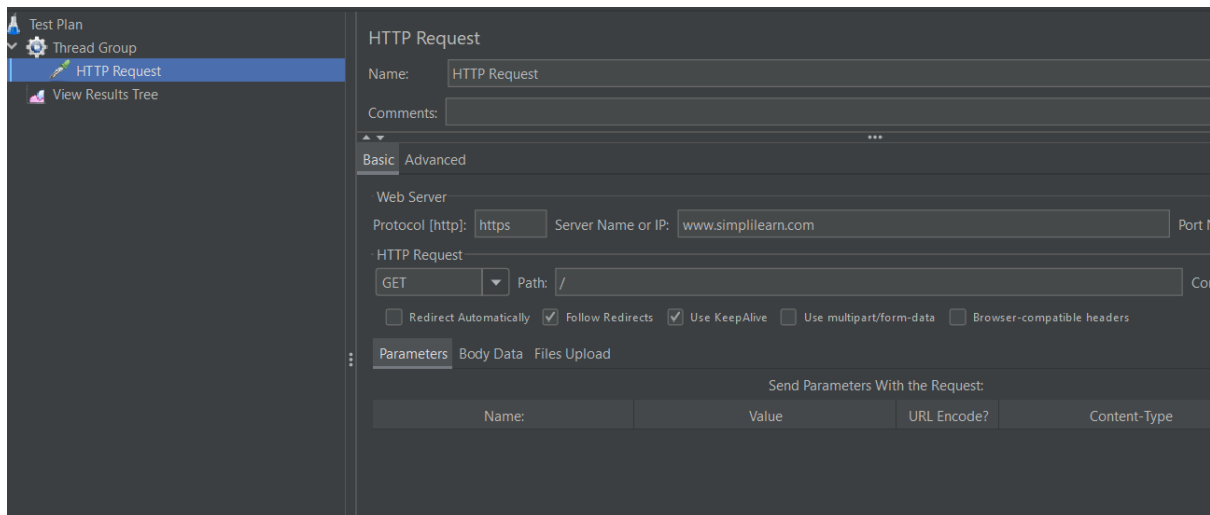
Add sampler request HTTP request



Add thread group



Create http request



View results tree

