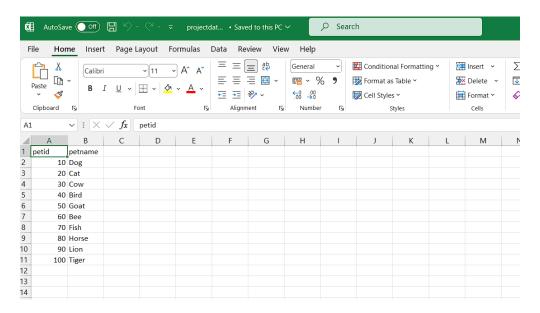
Phase-end Project 3: To automate functionalities using https://petstore.swagger.io/ REST API services

(Writeup):

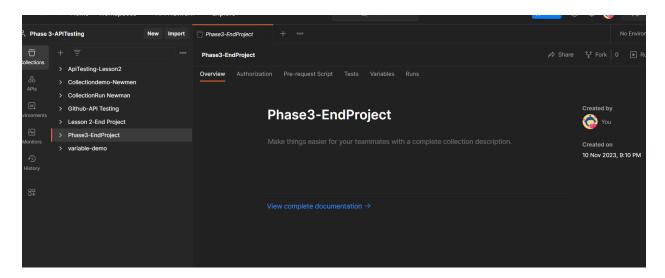
Postman Assignment 001:

Create a petID and petName:

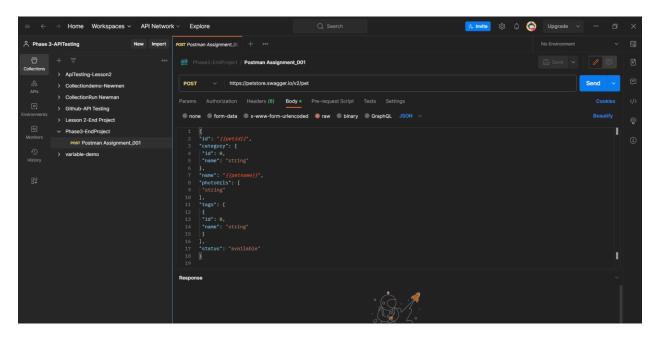
First, we have to create a excel sheet and enter petID and petName as shown below:



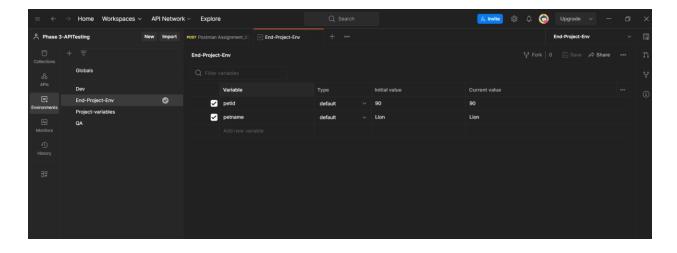
Then in next step we have to save the above file as .csv and after that open postman and create a collection with name Phase3-EndProject

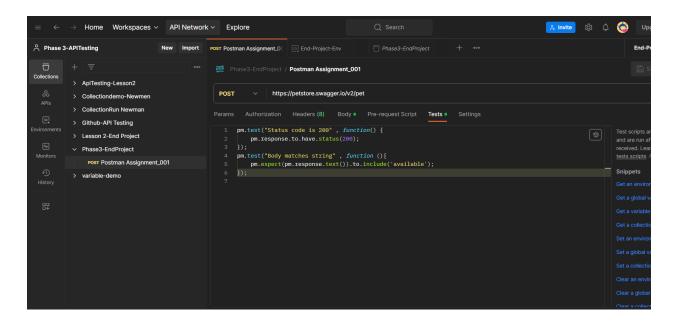


Then we have to Add request as shown below, However according to the Assignment_001-Post we need to use URL as https://petstore.swagger.io/v2/pet and in the body part we have to go to Body -> raw -> JSON and paste the Body as below

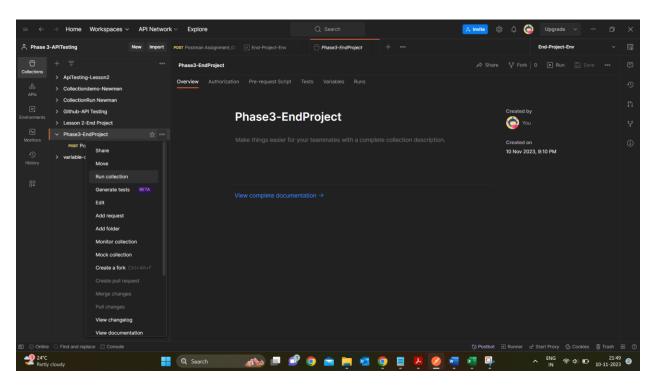


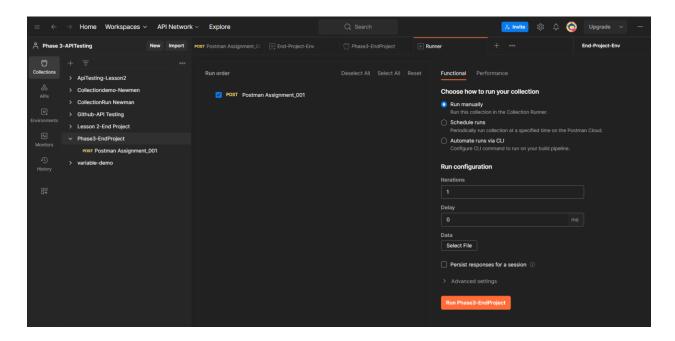
Then create an Environment with name End-Project-Env with two variables petid and petname as shown below



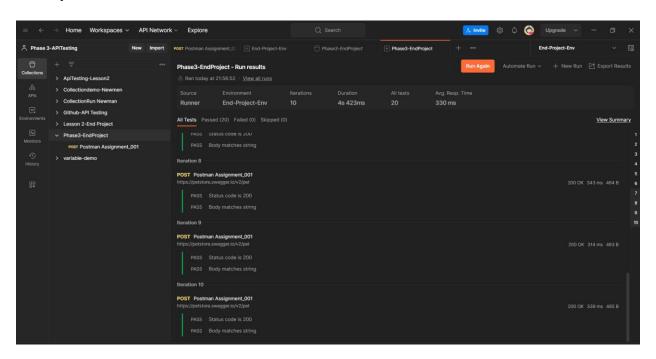


Then right click on collection (Phase3-EndProject) and click on Run Collection



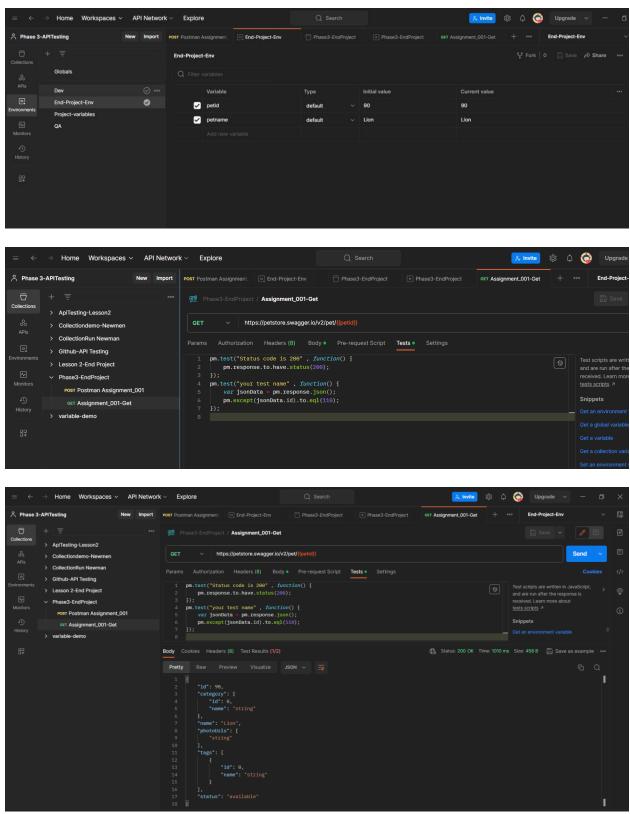


Above we have to click on select file and attach (projectdata.csv) then click on Run Phase 3-EndProject



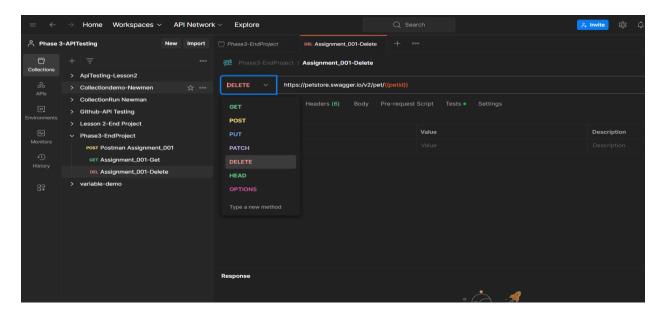
============

Validate petID: (Postman-Assignment001-get Method)



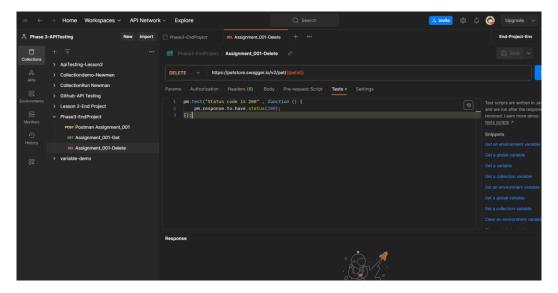
Delete petID: (Postman-Assignment001-delete Method)

To Add delete Request we must Add the request and then click next to the URL and the select delete as shown below.



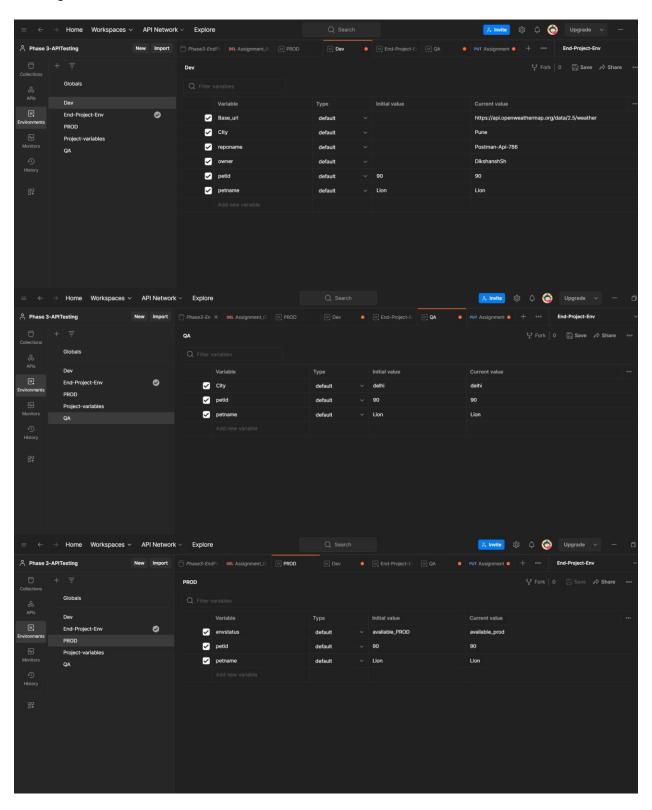
Then add the URL as given https://petstore.swagger.io/v2/pet/{{petid}} In this Environment part select End-Project-Env enter petid and petname



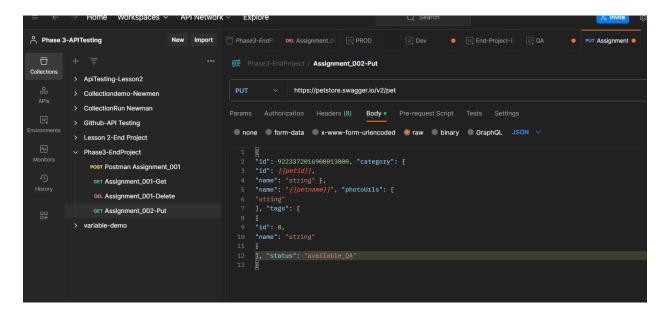


Postman Assignment_002:

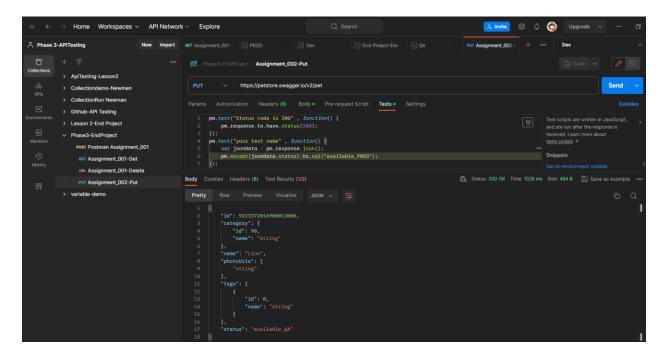
Creating 3 test Environment as DEV, QA, PROD



PUT Call request JSON body:

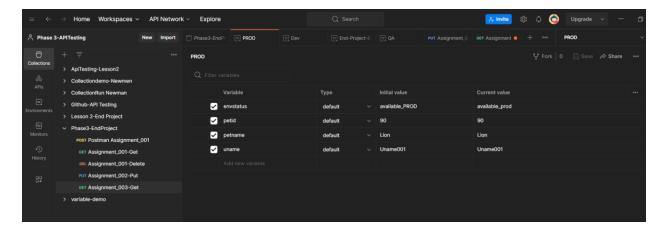


Response:

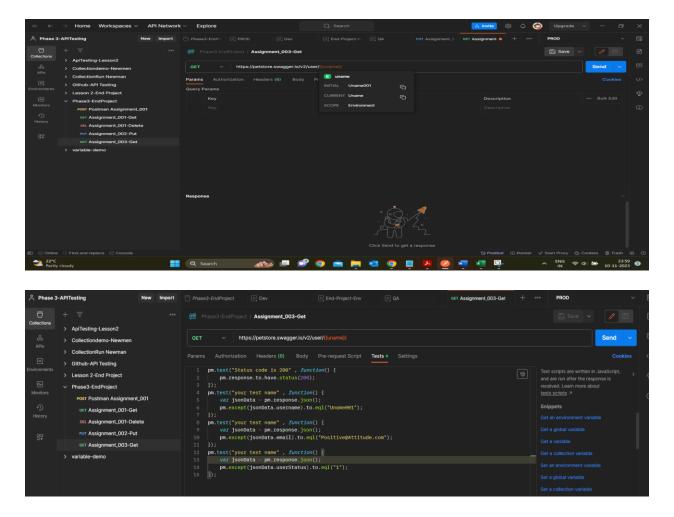


Postman Assignment_003:

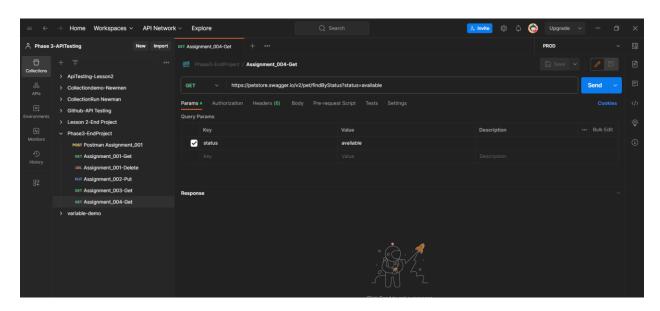
Creating a variable as uname with initial and current value as Uname001



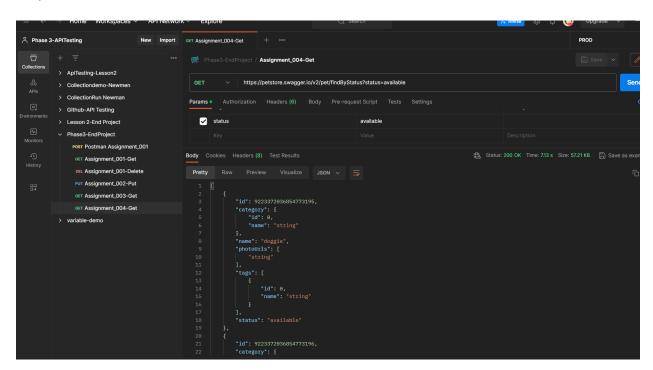
Fetching a **GET** call with URL: https://petstore.swagger.io/v2/user/{{uname}}} as shown below



Postman Assignment_004:

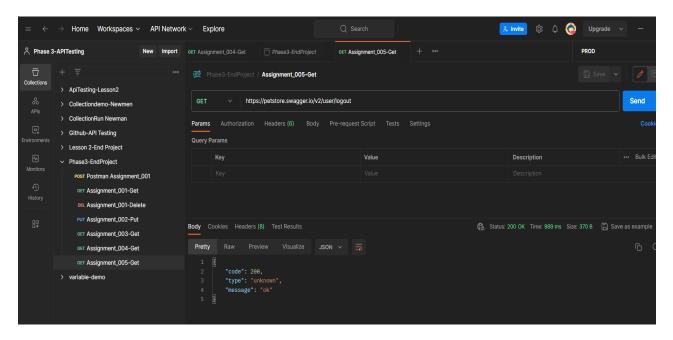


Response:



==========

Postman Assignment_005:



REST Assured Assignment_001:

Go to Eclipse -> create project RestAssured -> create a package with name Course_EndProject -> Create a class Assignment1:

```
File file = new File("resources/datasheet.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("cat")).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="assignment1Post")
        public void assignment1Get()
       {
               logger.info("Course EndProject - Assignment1 - GET request");
       int id = RestAssured.given()
               .baseUri("https://petstore.swagger.io/v2/pet/452")
                .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="assignment1Get")
        public void assignment1Delete()
               logger.info("Course EndProject - Assignment1 - Delete request");
RestAssured.given()
               .baseUri("https://petstore.swagger.io/v2/pet/452")
               .when()
                .delete()
               .then()
                .statusCode(200)
               .log().all()
               .body("code", Matchers.equalTo(200))
               .body("type", Matchers.equalTo("unknown"))
                .body("message", Matchers.equalTo("452")
                                                               }}
```

Console Output:

```
http://www.siffj.org/codes.htmlfftatticLoggerBinder for f
HTTP/1.1 200 0K
Date: Fri, 10 Nov 2023 08:10:23 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, FUT
Access-Control-Allow-Headers: Content-Type, api_key, Authorization
Server: Jetty(9.2.9.v20150224)
                "id": 452,
"category": {
    "id": 0,
    "name": "string"
   }
452
452
FITP/1.1 200 OK
Date: Fri, 10 Nov 2023 08:10:25 GMT
Content-Type: application/json
Transfer-Bncoding: chunked
Connection: keep-alive
Access-Control-Allow-Origin: *
Access-Control-Allow-Methods: GET, POST, DELETE, PUT.
             ninated > Assignment1 [TestNG] C:\Program Files\Java\jdk-11\bin\javaw.exe (10-Nov-2023, 1:40:16 PM – 1:40:25 PM) [pid: 14852]
             "id": 452,
"category": {
    "id": 0,
    "name": "string"
              },
"name": "cat",
"photoUrls": [
          "string"
   O
HTTP/1.1 200 OK
Date: Fri, 10 Nov 2023 08:10:27 GMT
Content-Type: application/json
Transfer-Encoding: chunked
Connection: keep-alive
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": "452"
    | PASSED: Course_EndProject.Assignmentl.assignmentlPost
PASSED: Course_EndProject.Assignment1.assignmentIDelete
PASSED: Course_EndProject.Assignmentl.assignmentIGet
       PASSED: Course_EndProject.Assignment1.assignment1Get
                  Default test
       Default suite
```

REST Assured Assignment_002:

```
package Course EndProject;
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 Assignment2 {
Logger logger = LogManager.getLogger(Assignment2.class);
        @Test(priority='1')
        public void assignment2Post()
       {
               logger.info("Course_EndProject - Assignment2 - POST request");
               File file = new File("resources/datasheet.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("cat")).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 = "assignment2Post")
        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);
}
```

Console Output:

```
clope workspace - Renkrow meditomor/schet/java/Course_EndProject/Assignment2java - Edipse IDE

| The Source | Renkrow | Renkro
```

Rest Assured Assignment_003:

```
package Course_EndProject;
import org.hamcrest.Matchers;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Assignment3 {
        @Test
        public void assignment3User()
               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));
       }
}
```

Console Output:

Rest Assured Assignment_004:

```
package Course_EndProject;
import org.hamcrest.Matchers;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Asssignment4 {
        @Test
        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("logged in user session"));
        }
}
```

Console Output:

```
R terminated- Assignment [FistNo] Chrogane in Healway(kit Nibhi) (avaew of History) (ass. Assignment of Statistics) (ass. Assignment (FistNo) (assignment of Statistics) (ass. Assignment of Statistics) (assignment of S
```

Rest Assured Assignment_005:

```
package Course_EndProject;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Assignment5 {
        @Test
        public void assignment5FindStatus()
        {
                 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();
        }
}
```

Console Output:

Rest Assured Assignment_006:

```
package Course_EndProject;
import org.hamcrest.Matchers;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Assignment6 {
        @Test
        public void assignment6Logout()
        {
                 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"));
        }
```

Console Output:

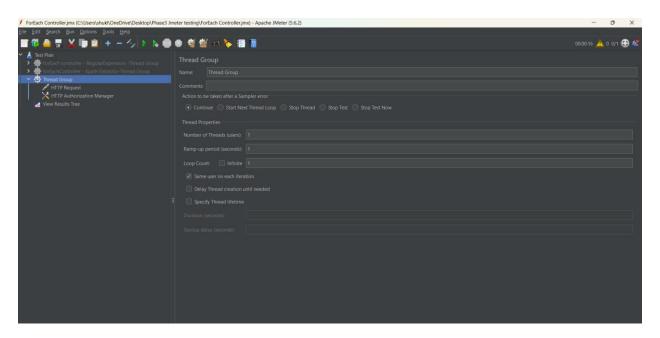
```
File Edit Source Refaçor Navigate Search Project Bun Window Help

Problems @ Javadoc & Declaration @ Consect Pt Coverage [FResults of numb call as the consecution of the consecution of
```

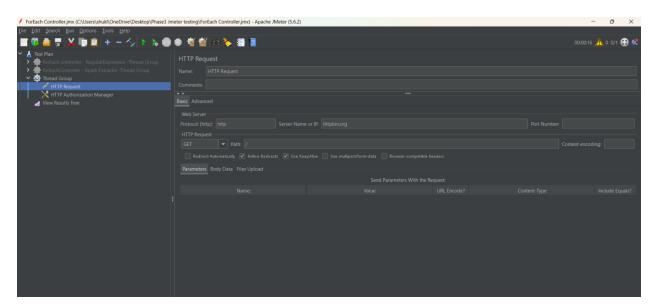
Jmeter Assignment:

- Validate https://httpbin.org/basic-auth/user/passwd link using HTTP Authentication manager
- Default username is **user**, and the default password is **passwd**

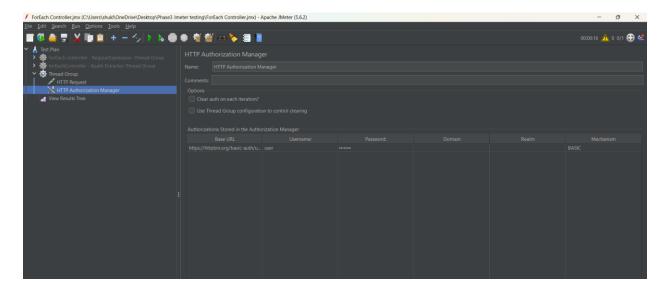
Add Thread Group



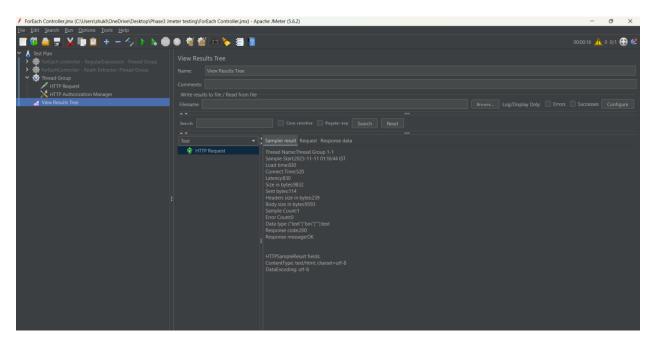
Right click on thread group -> Add -> Sampler -> create HTTP Request



Right click on thread group -> Add -> Config Element -> HTTP Authorization Manager

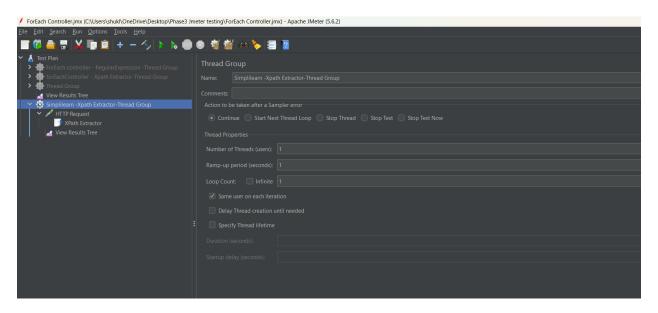


Right click on thread group -> Listener -> View Result Tree

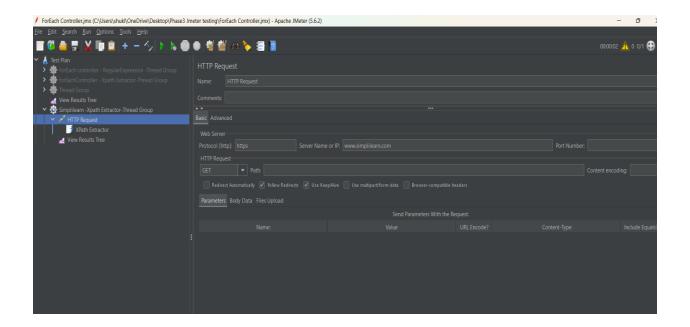


• Using HTTP sampler, hit https://www.simplilearn.com and validate xpath as //img[@title='Simplilearn - Online Certification Training Course Provider']

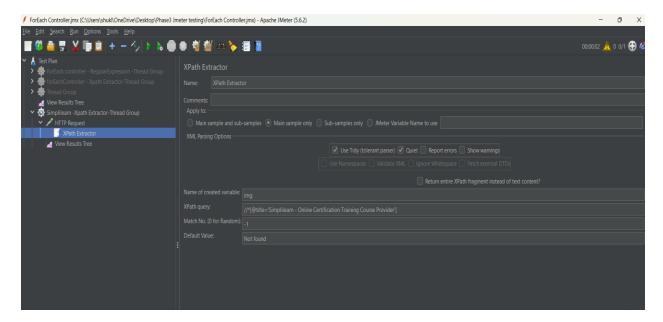
Create a thread group with name Simplilearn – Xpath Extractor- Thread Group as shown below:



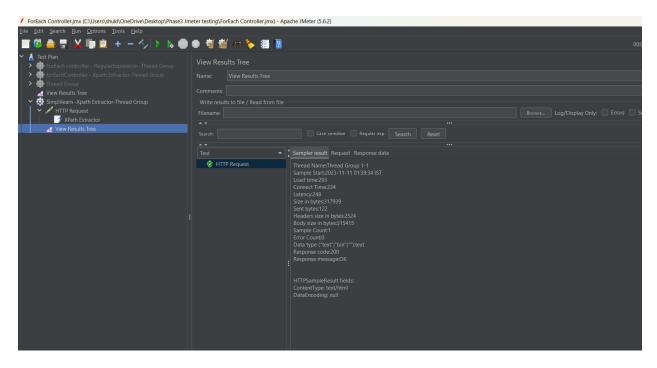
Right click on thread group -> Add -> Sampler -> create HTTP Request



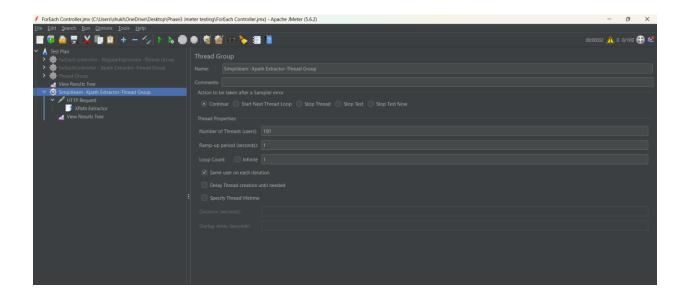
Right click on HTTP Request -> Add -> Post processor -> XPath Extractor



Result Response:



Increase the thread count and do lead testing



Result Response:

