**Post Request and Response Automation**

Open eclipse and create a maven project

Add required dependencies like testng and rest assured

Create a class and add the following code

package com.simplilearn.resttesting;

import static org.hamcrest.CoreMatchers.equalTo;

import org.apache.log4j.Logger;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

import io.restassured.http.ContentType;

public class PostRequestTest {

private static final String BASE\_URL = "https://reqres.in/api";

private static final Logger logger = Logger.getLogger(PostRequestTest.class);

@Test(description = "Test for executing POST request using rest assured")

public void postRequestTest() {

logger.info("Start :: POST request test using rest assured.");

String response = null;

try {

// create user post data

PostData postData = new PostData("Mike SMith", "Dermotologist");

logger.info("Request Object:: "+postData);

RestAssured.given().baseUri(BASE\_URL).when().contentType(ContentType.JSON).body(postData).post("/users")

.then().assertThat().statusCode(201).and().assertThat().body("name", equalTo(postData.name)).and()

.assertThat().body("job", equalTo(postData.job));

response = RestAssured.given().baseUri(BASE\_URL).when().contentType(ContentType.JSON).body(postData)

.post("/users").getBody().asString();

} catch (Exception e) {

logger.error("Exception Object :: " + e.toString());

logger.error("End Exception :: " + e.getLocalizedMessage());

}

logger.info("Response Object:: "+response);

logger.info("End :: POST request test using rest assured.");

}

}

class PostData {

public final String name;

public final String job;

public PostData(String name, String job) {

super();

this.name = name;

this.job = job;

}

@Override

public String toString() {

return "PostData [name=" + name + ", job=" + job + "]";

}

}

Run the code using testng

