

Aim: To perform to demonstrate GET, POST, XML, and JSON in REST Assured.

CODE:

```
package restAssurescripts;

import org.testng.Assert;
import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.response.Response;

public class Script002GetMethod {

    @Test
    public void setupCheck()
    {

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

        System.out.println(res.getStatusCode());

        System.out.println(res.getBody().asString());

        System.out.println(res.getTime());

        System.out.println(res.getHeader("Content-Type"));

        int expectedstatuscode = 200;
        int Actualstatuscode = res.getStatusCode();
```

```
Assert.assertEquals(expectedstatusCode,ActualstatusCode);
```

```
}
```

```
@Test
```

```
public void GetmethodBDDStyle()
```

```
{
```

```
    RestAssured.given()
```

```
        .baseUrl("https://reqres.in/api/users")
```

```
        .queryParams("page", "2")
```

```
        .when().get()
```

```
        .then()
```

```
        .statusCode(200)
```

```
        .log().all();
```

```
}
```

```
}
```

```
package restAssurescripts;
```

```
import java.util.HashMap;
```

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

```
import io.restassured.RestAssured;
```

```
public class Script003PostMethod {
```

```

@Test
public void postmethod()
{

    HashMap<String, String> map = new HashMap<String, String>();
    map.put("name", "Siva");
    map.put("job", "Tester");

    RestAssured.
given().baseUrl("https://reqres.in/")
    .basePath("/api/users")
    .contentType("application/json")
    .body(map)
    .when().post()
    .then().statusCode(201).log().all();

}

}

package restAssurescripts;

import org.json.JSONObject;
import org.testng.annotations.Test;

import io.restassured.RestAssured;

```

```

import io.restassured.http.ContentType;

import static org.hamcrest.Matchers.equalTo;

public class Script004PayloadJSON {

    @Test
    public void postusingJSON()
    {

        JSONObject body = new JSONObject();

        body.put("name", "Siva");
        body.put("salary", "4567");
        body.put("age", "23");

        RestAssured.given()

            .baseUrl("https://dummy.restapiexample.com/api/v1")
            .contentType(ContentType.JSON)
            .body(body.toString())
            .when().post("/create")
            .then()
            .statusCode(200)
            .log().all()
            .body("data.name", equalTo("Siva"))
            .extract().path("data.id");

    }

}

```

```
package restAssurescripts;
```

```
import org.hamcrest.Matchers;
```

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

```
import io.restassured.RestAssured;
```

```
import io.restassured.http.ContentType;
```

```
public class Script005PayloadXML {
```

```
    @Test
```

```
    public void payloadXML()
```

```
    {
```

```
        String xmlrequestBody = "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\r\n"
```

```
        + "<Pet>\r\n"
```

```
        + "    <id>0</id>\r\n"
```

```
        + "    <Category>\r\n"
```

```
        + "        <id>0</id>\r\n"
```

```
        + "        <name>string</name>\r\n"
```

```
        + "    </Category>\r\n"
```

```
        + "    <name>doggie</name>\r\n"
```

```
        + "    <photoUrls>\r\n"
```

```
        + "        <photoUrl>string</photoUrl>\r\n"
```

```
        + "    </photoUrls>\r\n"
```

```
        + "    <tags>\r\n"
```

```
        + "        <Tag>\r\n"
```

```
        + "            <id>0</id>\r\n"
```

```
        + "            <name>string</name>\r\n"
```

```
        + "        </Tag>\r\n"
```

```
        + "    </tags>\r\n"
```

```
+ "    <status>available</status>\r\n"  
+ "</Pet>";
```

```
RestAssured.given()  
    .baseUrl("https://petstore.swagger.io")  
    .basePath("/v2/pet")  
    .contentType(ContentType.XML)  
    .accept("application/xml")  
    .body(xmlRequestBody)  
    .when().post() // execute post request  
    .then()  
    .statusCode(200)  
    .body("Pet.name", Matchers.equalTo("doggie"))  
    .log().all();
```

```
}
```

```
}
```

OUTPUTS:









