Aim: To perform to demonstrate automation of POST request and response.

CODE:

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

```
        }


}

OUTPUT:
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Script 1 (top)

```java
1  package restAssurescripts;
2
3  import java.util.HashMap;
8
   Run All
9  public class Script003PostMethod {
10
11
12     @Test
       Run | Debug
13     public void postmethod()
14     {
15
16         HashMap<String, String> map = new HashMap<String, String>();
17         map.put("name", "Siva");
18         map.put("job", "Tester");
19
20         RestAssured.
21         given().baseUri("https://reqres.in/")
22         .basePath("/api/users")
23         .contentType("application/json")
24         .body(map)
25         .when().post()
26         .then().statusCode(201).log().all();
27
28
29     }
30
31
32  }
33
```

Problems   Javadoc   Declaration   Console ×   Results of running class Script003PostMethod

```
<terminated> Script003PostMethod [TestNG] C:\Users\siva reddy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.8.v20230831-1047\jre\bin\javaw.exe  (09-Nov-2023, 8:12:35 pm – 8:12:42
[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/1.1 201 Created
```

Script 2 (middle)

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

```java
1  package restAssurescripts;
2
```

Problems   Javadoc   Declaration   Console ×   Results of running class Script003PostMethod

```
<terminated> Script003PostMethod [TestNG] C:\Users\siva reddy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.8.v20230831-1047\jre\bin\javaw.exe  (09-Nov-2023, 8:12:35 pm – 8:12:42 pm) [pid: 1191
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
HTTP/1.1 201 Created
Date: Thu, 09 Nov 2023 14:42:43 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 80
Connection: keep-alive
Report-To: {"group":"heroku-nel","max_age":3600,"endpoints":[{"url":"https://nel.heroku.com/reports?ts=1699540962&sid=c4c9725f-1ab0-44d8-820f-430df2718e11&s=ANcFc4knM
Reporting-Endpoints: heroku-nel=https://nel.heroku.com/reports?ts=1699540962&sid=c4c9725f-1ab0-44d8-820f-430df2718e11&s=ANcFc4knM2pVaR7200%2FD2We%2Bl418e9kto0A%2FokHb
Nel: {"report_to":"heroku-nel","max_age":3600,"success_fraction":0.005,"failure_fraction":0.05,"response_headers":["Via"]}
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"50-hmxaKcKvX2BKuPnaAJWkHhySTQE"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Server: cloudflare
CF-RAY: 8236d2e86dc79f4f-HYD

{
    "name": "Siva",
    "job": "Tester",
    "id": "350",
    "createdAt": "2023-11-09T14:42:42.892Z"
}
PASSED: restAssurescripts.Script003PostMethod.postmethod

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


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

Script 3 (bottom)

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

```java
1  package restAssurescripts;
2
3  import java.util.HashMap;
8
   Run All
9  public class Script003PostMethod {
10
11
12     @Test
       Run | Debug
13     public void postmethod()
14     {
15
16         HashMap<String, String> map = new HashMap<String, String>();
17         map.put("name", "Siva");
18         map.put("job", "Tester");
19
20         RestAssured.
21         given().baseUri("https://reqres.in/")
22         .basePath("/api/users")
23         .contentType("application/json")
24         .body(map)
25         .when().post()
26         .then().statusCode(201).log().all();
27
28
```

Problems   Javadoc   Declaration   Console   Results of running class Script003PostMethod ×

Search: [   ]   ☐ Passed: 1   ☐ Failed: 0   ☐ Skipped: 0   Tests: 1/1 Methods: 1 (4545 ms)

All Tests   Failed Tests   Summary

```
Default suite ( 1/0/0/0 ) (4.098 s)                    Failure Exception
    Default test ( 4.098 s)
        restAssurescripts.Script003PostMethod
            postmethod  (4.098 s)
```