

## GET:

```
GETDemo.java x PUTDemo.java POSTDemo.java DeleteDemo.java
1 package in.amazon.RestAssuredDemo;
2
3 import org.testng.annotations.Test;
6
Run All
7 public class GETDemo {
8
9     @Test
Run | Debug
10    public void getServerResponse() {
11        RestAssured
12            .when()
13            .get("https://restcountries.com/v3.1/all")
14            .then()
15            .assertThat()
16            .statusCode(200)
17            .log().all();
18    }
19
20 }
21
```

## OUTPUT:

```
Console x Results of running class GETDemo x
<terminated> GETDemo [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (22-Aug-2023, 10:00:51 am - 10:00:
    "UTC+03:00"
    },
    "continents": [
        "Africa"
    ],
    "flags": {
        "png": "https://flagcdn.com/v320/et.png",
        "svg": "https://flagcdn.com/et.svg",
        "alt": "The flag of Ethiopia is composed of three equal horizontal bands o
    },
    "coatOfArms": {
        "png": "https://mainfacts.com/media/images/coats_of_arms/et.png",
        "svg": "https://mainfacts.com/media/images/coats_of_arms/et.svg"
    },
    "startOfWeek": "monday",
    "capitalInfo": {
        "latlng": [
            9.03,
            38.7
        ]
    },
    "postalCode": {
        "format": "#####",
        "regex": "^(\\d{4})$"
    }
}
PASSED: getServerResponse

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

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

Results of running class GETDemo x
Search:
Passed: 1 Failed: 0 Skipped: 0
Tests: 1/1 Methods: 1 (3347 ms)
All Tests Failed Tests Summary
Default suite ( 1/0/0/0 ) (3.091 s)
  Default test ( 3.091 s)
    in.amazon.RestAssuredDemo.GETDemo
      getServerResponse (3.091 s)

Failure Exception
```

## PUT:

```
GETDemo.java PUTDemo.java POSTDemo.java DeleteDemo.java
1 package in.amazon.RestAssuredDemo;
2
3 import java.util.HashMap;
4
5
6
7
8
9
10 public class PUTDemo {
11
12     HashMap<String, String> map = new HashMap<String, String>();
13
14     @BeforeMethod
15     public void createPayload() {
16         map.put("name", "Satya");
17         map.put("job", "Dev");
18         RestAssured.baseURI = "https://reqres.in/";
19         RestAssured.basePath = "/api/users/378";
20     }
21
22     @Test
23     public void updateResponse() {
24         RestAssured
25             .given()
26             .contentType("application/json")
27             .body(map)
28             .when()
29             .put()
30             .then()
31             .statusCode(200)
32             .log().all();
33     }
34 }
35
36
```

## OUTPUT:

```
<terminated> PUTDemo [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (22-Aug-2023, 10:01:28 am - 10:01:
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
HTTP/1.1 200 OK
Date: Tue, 22 Aug 2023 04:31:32 GMT
Content-Type: application/json; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"43-oYphhDWf5feQvqAAf8wXybh1o0"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints":[{"url":"https://a.ne1.cloudflare.com/report/v3?s=WtprR8v
NEL: {"success_fraction":0,"report_to":"cf-nel","max_age":604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: 7fa862ff888f93a9-BBI
Content-Encoding: gzip

{
  "name": "Satya",
  "job": "Dev",
  "updatedAt": "2023-08-22T04:31:32.016Z"
}
PASSED: updateResponse

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

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

Search:

Passed: 1 Failed: 0 Skipped: 0

Tests: 1/1 Methods: 1 (2169 ms)

All Tests Failed Tests Summary

Default suite ( 1/0/0/0 ) (1.553 s)

Default test ( 1.553 s)

in.amazon.RestAssuredDemo.PUTDemo

updateResponse (1.553 s)

Failure Exception

## POST:

```

2
3 import java.util.HashMap;
4 import org.testng.annotations.BeforeMethod;
5 import org.testng.annotations.Test;
6
7 import io.restassured.RestAssured;
8
9 Run All
10 public class POSTDemo {
11     HashMap<String, String> map = new HashMap<String, String>();
12
13     @BeforeMethod
14     public void createPayload() {
15         map.put("name", "Satya");
16         map.put("job", "Tester");
17         RestAssured.baseURI = "https://reqres.in/";
18         RestAssured.basePath = "/api/users";
19     }
20
21     @Test
22     Run | Debug
23     public void putTest() {
24         RestAssured
25             .given()
26             .contentType("application/json")
27             .body(map)
28             .when()
29             .post()
30             .then()
31             .statusCode(201)
32             .log().all();
33     }
34 }
35

```

**OUTPUT:**

[RemoteTestNG] detected TestNG version 7.0.1  
log4j:WARN No appenders could be found for logger (org.apache.http.impl.conn.BasicClient)  
log4j:WARN Please initialize the log4j system properly.  
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.  
HTTP/1.1 201 Created  
Date: Tue, 22 Aug 2023 04:32:11 GMT  
Content-Type: application/json; charset=utf-8  
Content-Length: 81  
Connection: keep-alive  
X-Powered-By: Express  
Access-Control-Allow-Origin: \*  
Etag: W/"51-a51XfC8yYBf25/N/20U144fcJLk"  
Via: 1.1 vegur  
CF-Cache-Status: DYNAMIC  
Report-To: {"endpoints":[{"url":"https://a.nel.cloudflare.com/report/v3?s=QW9hmpdWRU"}]}  
NEL: {"success\_fraction":0,"report\_to":"cf-nel","max\_age":604800}  
Server: cloudflare  
CF-RAY: 7fa863f2cc379389-BBI  
  
{  
 "name": "Satya",  
 "job": "Tester",  
 "id": "830",  
 "createdAt": "2023-08-22T04:32:10.941Z"  
}  
PASSED: putTest  
  
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====
  
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====

Search:  
Passed: 1 Failed: 0 Skipped: 0  
Tests: 1/1 Methods: 1 (2090 ms)  
All Tests Failed Tests Summary  
Default suite ( 1/0/0/0 ) (1.589 s)  
 Default test ( 1.589 s)  
 in.amazon.RestAssuredDemo.POSTDemo  
 putTest (1.589 s)

Failure Exception

## DELETE:

```

1 package in.amazon.RestAssuredDemo;
2
3 import org.testng.annotations.BeforeMethod;
4 import org.testng.annotations.Test;
5
6 import io.restassured.RestAssured;
7
8 Run All
9 public class DeleteDemo {
10
11     @BeforeMethod
12     public void createPayload() {
13         RestAssured.baseURI = "https://reqres.in/";
14         RestAssured.basePath = "/api/users/2";
15     }
16
17     @Test
18     Run | Debug
19     public void deleteTest() {
20         RestAssured
21             .given()
22             .contentType("application/json")
23             .when()
24             .delete()
25             .then()
26             .statusCode(204);
27     }
28 }

```

## OUTPUT:

```
log4j:WARN No appenders could be found for logger (org.apache.http.impl.client.DefaultHttpClient).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
PASSED: deleteTest
```

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

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

Passed: 1 Failed: 0 Skipped: 0

Tests: 1/1 Methods: 1 (1879 ms)

All Tests Failed Tests Summary

- ✓ Default suite ( 1/0/0/0 ) (1.394 s)
  - ✓ Default test ( 1.394 s)
    - ✓ in.amazon.RestAssuredDemo.DeleteDemo
      - ✓ deleteTest (1.394 s)

Failure Exception