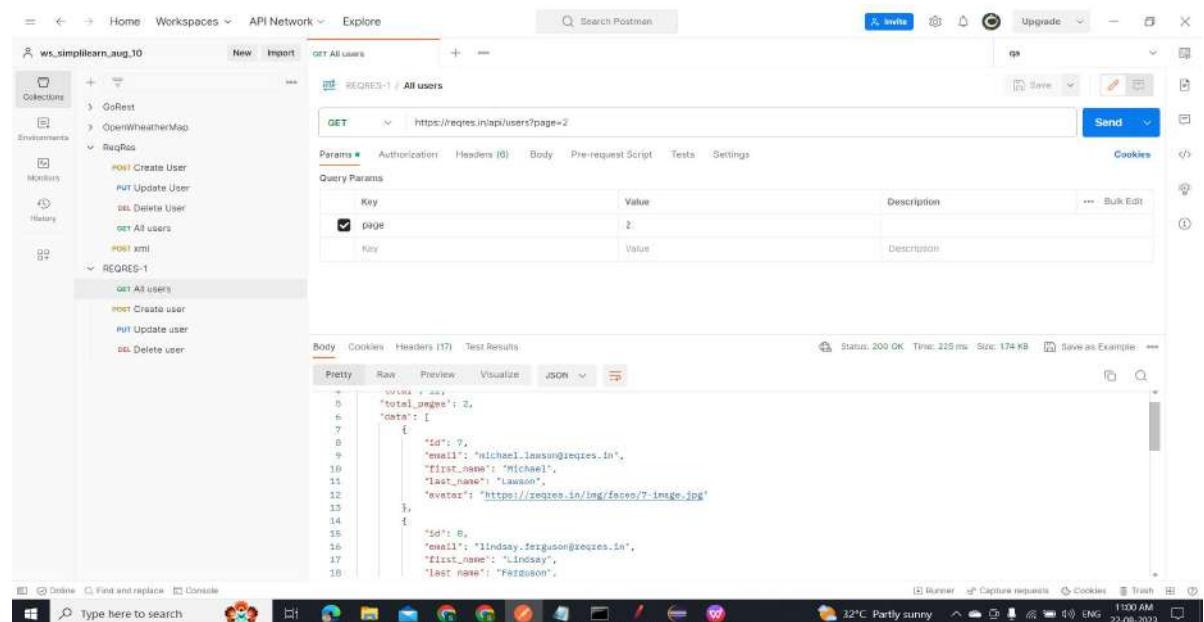


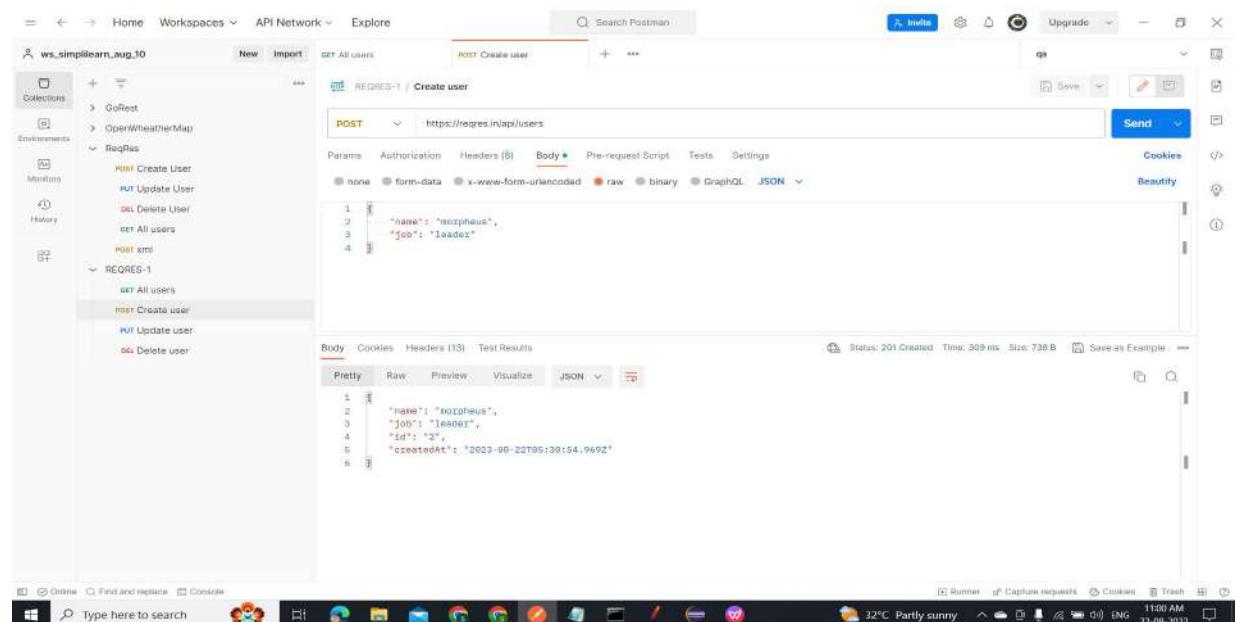
PHASE-3 END PROJECT

BY USING POSTMAN:



The screenshot shows the Postman interface with a collection named "ws_simplilearn_aug_10". A GET request titled "REQRES-1 / All users" is selected. The URL is set to `https://reqres.in/api/users?page=2`. The "Params" tab shows a query parameter "page" with a value of 2. The "Body" tab is empty. The "Test Results" tab shows a JSON response with two users:

```
1  {
2     "total": 2,
3     "total_pages": 2,
4     "data": [
5         {
6             "id": 7,
7             "email": "michael.lawson@reqres.in",
8             "first_name": "Michael",
9             "last_name": "Lawson",
10            "avatar": "https://reqres.in/img/faces/7-image.jpg"
11        },
12        {
13            "id": 8,
14            "email": "lindsay.ferguson@reqres.in",
15            "first_name": "Lindsay",
16            "last_name": "Ferguson"
17        }
18    ]
19}
```



The screenshot shows the Postman interface with the same collection. A POST request titled "REQRES-1 / Create user" is selected. The URL is set to `https://reqres.in/api/users`. The "Body" tab is configured with "raw" selected and contains the following JSON payload:

```
1 {
2     "name": "morpheus",
3     "job": "leader"
4 }
```

The "Test Results" tab shows a JSON response with a single user object:

```
1 {
2     "id": 2,
3     "name": "morpheus",
4     "job": "leader",
5     "id": "2",
6     "createdAt": "2023-09-22T06:39:54.969Z"
7 }
```

The screenshot shows the Postman interface with a collection named 'ws_simpleteam_aug_10'. A PUT request titled 'REQRES-1 / Update user' is selected. The URL is https://reqres.in/api/users/200. The 'Body' tab is active, showing a JSON payload:

```

1  {
2     "name": "morpheus",
3     "job": "zion resident"
4 }

```

The response status is 200 OK, with a response body showing the updated user details:

```

1  {
2     "name": "morpheus",
3     "job": "zion resident",
4     "updatedAt": "2023-08-22T06:31:36.247Z"
5 }

```

The screenshot shows the Postman interface with the same collection. A DELETE request titled 'Delete user' is selected. The URL is https://reqres.in/api/users/200. The 'Body' tab is active, showing a query parameter 'Key': 'Value'.

The response status is 204 No Content.

FOR GET REQUEST:

```

package in.amazon.RestAssuredDemo;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Reqres_GETDemo {
@Test
public void getServerResponse() {
RestAssured
.when()
.get("https://reqres.in/api/users?page=2")
.then()
.assertThat()

```

```

.statusCode(200)
.log().all();
}

eclipse-workspace - RestAssuredDemo - src/main/java/in/amazon/RestAssuredDemo/Reqres_GETDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
File Edit Source Refactor Declaration Console X Progress Results of running class Reqres.GETDemo Git Staging Gradle Tasks Gradle Executions
<terminated> Reqres.GETDemo [TestNG] C:\Users\pi.p2\workspace\plugins\org.eclipse.jdt.core\output\openjdk\hotspot\src\full\win32\x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (22-Aug-2023, 11:04:11 am - 11:04:42 am) [pid: 12708]
Content-Type: application/json; charset=UTF-8
Transfer-Encoding: chunked
Connection: keep-alive
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"406-0t0vzCuIdoyMf8erZpHqJ6ZRDa"
Via: 1.1 vegur
Cache-Control: max-age=14400
Content-Length: 144
Content-Type: application/json; charset=UTF-8
Report-To: [{"endpoints": [{"url": "https://v2.snel.cloudflare.com/report/v2?secretKey=99E2t6qy%2FrslP0a9D0cc1Q2Q1c3T12Et22LabFT02FU1rSG1S0C5x02B3s6qFv02FopX2f3CmfSv5R8In1fBuIbmwAb1bT183U12ng00098704s6w030K3l"}]}, {"group": "cf-nel", "max_age": 604800}
NEL: {"success_fraction": 0, "report_to": "cf-nel", "max_age": 604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: 7fa8b877e783a38-BOM
Content-Encoding: gzip

{
  "page": 2,
  "per_page": 6,
  "total": 12,
  "total_pages": 2,
  "data": [
    {
      "id": 7,
      "email": "michael.lawson@reqres.in",
      "first_name": "Michael",
      "last_name": "Lawson",
      "avatar": "https://reqres.in/img/faces/7-image.jpg"
    },
    {
      "id": 8,
      "email": "lindsay.ferguson@reqres.in",
      "first_name": "Lindsay",
      "last_name": "Ferguson",
      "avatar": "https://reqres.in/img/faces/8-image.jpg"
    },
    {
      "id": 9,
      "email": "tobias.funke@reqres.in",
      "first_name": "Tobias",
      "last_name": "Funke",
      "avatar": "https://reqres.in/img/faces/9-image.jpg"
    }
  ]
}

```

FOR POST REQUEST:

```

package in.amazon.RestAssuredDemo;
import java.util.HashMap;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Reqres_POSTDemo {
HashMap<String, String> map = new HashMap<String, String>();
@BeforeMethod
public void createPayLoad() {
map.put("name", "morpheus");
map.put("job", "leader");
RestAssured.baseURI = "https://reqres.in/";
RestAssuredbasePath = "/api/users";
}
@Test
public void createResource() {
RestAssured
.given()
.contentType("application/json")
.body(map)
.when()
.post()
.then()
.statusCode(201)
.log().all();
}
}

```

```

eclipse-workspace - RestAssuredDemo|src|java|in|amazon|RestAssuredDemo|Reqres_PUTDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
File Edit Source Refactor Navigate Search Project Run Window Help
Problems JavaDoc Declaration Console X Progress Results of running class Reqres_PUTDemo Git Staging Gradle Tasks Gradle Executions
[terminated] Reqres_PUTDemo [TestNG] C:\Users\hp.02\Ipl\plugins\org.eclipse.jdt.core\pool\http://futuwin32.x86_64.17.0.7.v20230425-1502\reqres\javaw.exe (22-Aug-2023, 11:06:40 am - 11:06:49 am) [pid: 8848]
[RemoteTestNG] detected TestNG version 7.0.1
log4j:WARN No appenders could be found for logger (org.apache.http.impl.conn.BasicClientConnectionManager).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/fao.html#noconfig for more info.
HTTP/1.1 201 Created
Date: Tue, 22 Aug 2023 05:36:49 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 113
Connection: keep-alive
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"54-6X0IXS0MAF0uXLBMUHe0q3vkcYs"
Via: 1.1 vegur
User-Agent: DWR4RC
Report-To: {"endpoints": [{"url": "https://a.nel.cloudflare.com/report/v3?s=Kecf%2B4tCn80ne852bd0xQ4rySS9EcFb9t671YeVugshu357mhrmt010r6V4}x0fCz0Frix51d{Qq44}e0Cg9KGfHReM4t9d9Twh0zEgQk30K3D"}, "group": "cf-nel", "max_age": 604800}, "NEL": {"success_fraction": 0, "report_to": "cf-nel", "max_age": 604800}, "Server: cloudflare", "CF-RAY: 7fa8c2e3c9c4226-BOM
{
  "name": "morpheus",
  "job": "leader",
  "id": "248",
  "created_at": "2023-08-22T05:36:49.446Z"
}
PASSED: createResource

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

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

```

FOR PUT REQUEST:

```

package in.amazon.RestAssuredDemo;
import java.util.HashMap;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Reqres_PUTDemo {
HashMap<String, String> map = new HashMap<String, String>();
@BeforeMethod
public void createPayLoad() {
map.put("name", "morpheus");
map.put("job", "programmer");
RestAssured.baseURI = "https://reqres.in/";
RestAssuredbasePath = "/api/users/848";
}
@Test
public void updateResource() {
RestAssured
.given()
.contentType("application/json")
.body(map)
.when()
.put()
.then()
.statusCode(200)
.log().all();
}
}

```

```

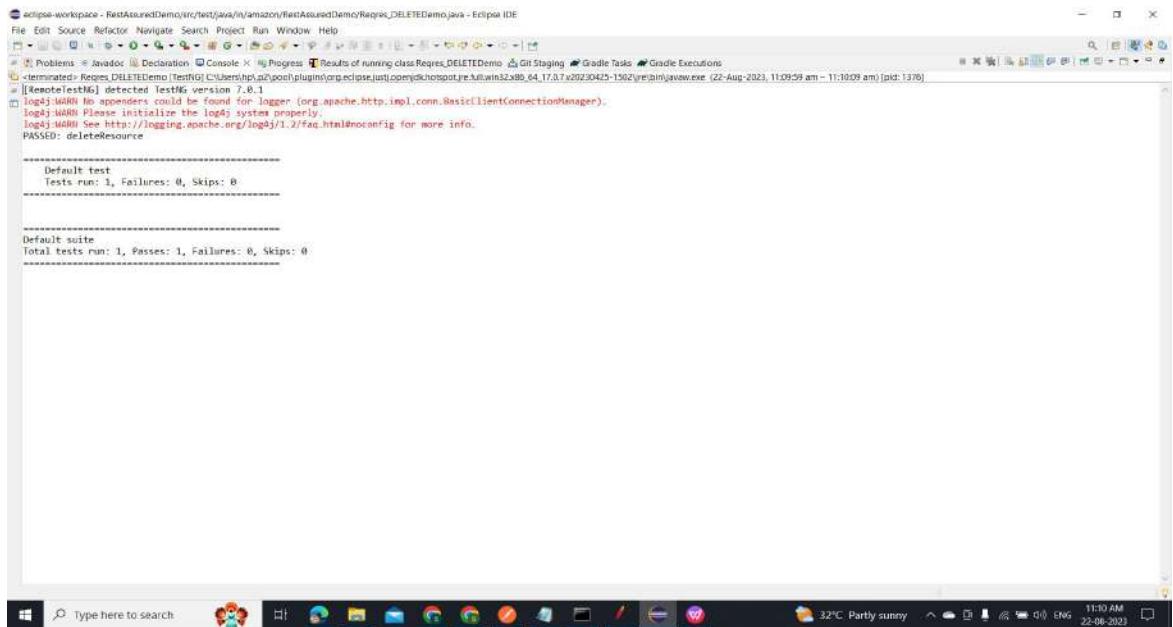
eclipse-workspace - RestAssuredDemo[reqs-test]/java/test/amazon/RestAssuredDemo/Reqres_PUTDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
File Edit Source Refactor Navigate Search Project Run Window Help
Problems JavaDoc Declarations Console < Progress Results of running class Reqres_PUTDemo Git Staging Gradle Tasks Gradle Executions
<terminated> Reqres_PUTDemo [TestNG] C:\Users\yog\Downloads\plugins\org.eclipse.jdt.core\openjdkhttpsupport\jre\bin\win32\x86_64_17.0.7.v20230425-1505\reqres\java\exe [22-Aug-2023, 11:08:39 am - 11:08:39 am] [pid: 12404]
[Running on http://127.0.0.1:5005]
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#incompleteconfig for more info.
HTTP/1.1 200 OK
Date: Tue, 22 Aug 2023 05:38:38 GMT
Content-Type: application/json; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"4d-7qnR8pa51kn0Wj3j8ueK3NMaXk"
Via: 1.1 varnish
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints": [{"url": "https://v.a.nel.cloudflare.com/report/v3?s=6MgP0zgu%2F9z3eSih8hvRa8FFAhth205q0IGR0)k8t36Qx061j0YgnZ0C280c62BL)g2e382Re1Rox18nch%2fR%2fQL12U1H4wq65lyQG8Qbcpa3dk1ut
X0fAdgrKeZsKw3B3D"}, "group": "cf-neil", "max_age": 604800}, "NEL": {"success_fraction": 0, "report_to": "cf-neil", "max_age": 604800}
Nel: {"success_fraction": 0, "report_to": "cf-neil", "max_age": 604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: ffa8c56edda640f9-BOM
Content-Encoding: gzip
{
    "name": "morpheus",
    "job": "programmer",
    "updatedAt": "2023-08-22T05:38:38.722Z"
}
PASSED: updateResource
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====

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

FOR DELETE REQUEST:

```

package in.amazon.RestAssuredDemo;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Reqres_DELETEDemo {
    @Test
    public void deleteResource() {
        RestAssured.baseURI = "https://reqres.in/";
        RestAssuredbasePath = "/api/users/848";
        RestAssured
            .when()
            .delete()
            .then()
            .statusCode(204);
    }
}
```



FOR GET POST PUT DELETE IN ONE CODE:

```

package in.amazon.RestAssuredDemo;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
import java.util.HashMap;
public class Reqres_GET_POST_PUT_DELETEDemo extends TestBase {
HashMap<String, String> map = new HashMap<String, String>();
@Test
public void createPayLoad() {
map.put("name", "morpheus");
map.put("job", "leader");
RestAssured.baseURI = "https://reqres.in/";
RestAssuredbasePath = "/api/users?page=2";
RestAssured
.when()
.get("/api/users?page=2")
.then()
.assertThat()
.statusCode(200)
.log().all();
logger.info("Payload created");
}
@Test
public void createResource() {
RestAssured
.given()
.contentType("application/json")
.body(map)
.when()
.post("/api/users")
.then()
.statusCode(201)
.log().all();
logger.info("Resource Created Successfully");
}
@Test

```

```

public void updateResource() {
    map.put("job", "programmer");
    RestAssured.basePath = "/api/users/848";
    RestAssured
        .given()
        .contentType("application/json")
        .body(map)
        .when()
        .put()
        .then()
        .statusCode(200)
        .log().all();
    logger.info("Resource updated");
}
@Test
public void deleteResource() {
    RestAssured.basePath = "/api/users/848";
    RestAssured
        .when()
        .delete()
        .then()
        .statusCode(204);
    logger.info("Resource Deleted");
}
}

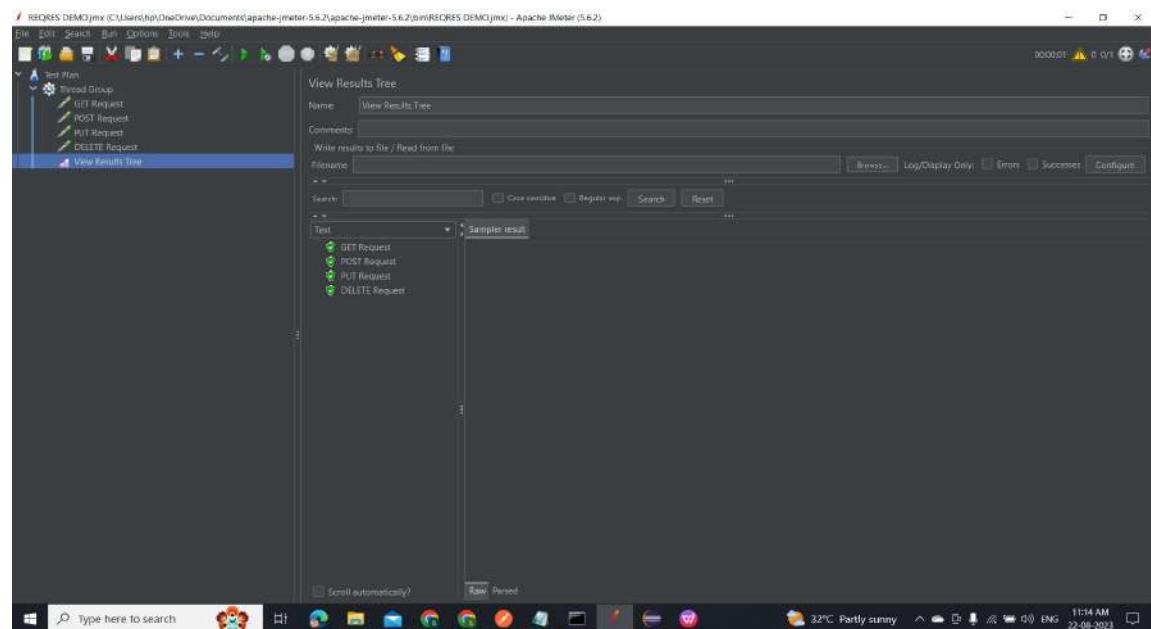
```

```

eclipse-workspace - RestAssuredDemo/src/test/java/com/amazon/RestAssuredDemo/Reqres_GET_POST_PUT_DELETEDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Declaration Console Progress Results of running class Reqres_GET_POST_PUT_DELETEDemo Git Staging Gradle Tasks Grade Executions
terminated: Reqres_GET_POST_PUT_DELETEDemo [testNG] C:\Users\hp\Downloads\org.testng\dist\openjdk-hotspot\rebuild\win32\x86_64\17.0.7.v20230425-1502\jre\bin\javaw.exe [22-Aug-2023, 11:12:09 am - 11:12:18 am] [pid: 13130]
[3]
INFO 2023-08-22 11:12:17,633 0 LogDemo [main] Payload created
HTTP/1.1 201 Created
Date: Tue, 22 Aug 2023 05:42:17 GMT
Content-Type: application/json; charset=UTF-8
Content-Length: 84
Connection: keep-alive
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"5d4b81qNmW6pobrFFD4KpOkIbc"
Vary: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints":[{"url":"https://a.net.cloudflare.com/report/v3?r=c229z4ZfP7t8Jt6J1UevAJ1U0hpx9rk97heY7P05i1r82G5bJcInnpq25v551d5SE4j7lQtgXAH7WVwq0J1j186cL0tz40007derjaerMaR#Vxdn54830
X3D"}],"group":"cf-net","max_age":604800}
NEL: {"success_fraction":0,"report_to":"cf-net","max_age":604800}
Server: cloudflare
CF-RAY: 7fa8ca51d3f3a4c-BOM
{
  "name": "morphus",
  "job": "leader",
  "id": "477",
  "createdAt": "2023-08-22T05:42:17.342Z"
}
INFO 2023-08-22 11:12:17,353 700 LogDemo [main] Resource Created Successfully
INFO 2023-08-22 11:12:17,794 3161 LogDemo [main] Resource Deleted
HTTP/1.1 200 OK
Date: Tue, 22 Aug 2023 05:42:18 GMT
Content-Type: application/json; charset=UTF-8
Transfer-Encoding: chunked
Connection: keep-alive
X-Powered-By: Express
Access-Control-Allow-Origin: *
Etag: W/"4d-kk4d8qapEVn7Q+mdH+/++vxII"
Vary: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints":[{"url":"https://a.net.cloudflare.com/report/v3?r=s02E1jhAKC2Bim6tx3g0lhmsaS1esv1YmZel1MbV6G2B6sCRNonJbShsone2n32AaHFMvF62rvfA0rjjyj38nED1ay5LVtHgezr1hhmvU2leyFvSFYnTe%2fB
X3RnxopX3DR30J11","group":"cf-net","max_age":604800}
NEL: {"success_fraction":0,"report_to":"cf-net","max_age":604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: 7fa8ca51d3f3a4c-BOM

```

BY USING JMETER:



USING BLAZEMETER TESTING:

