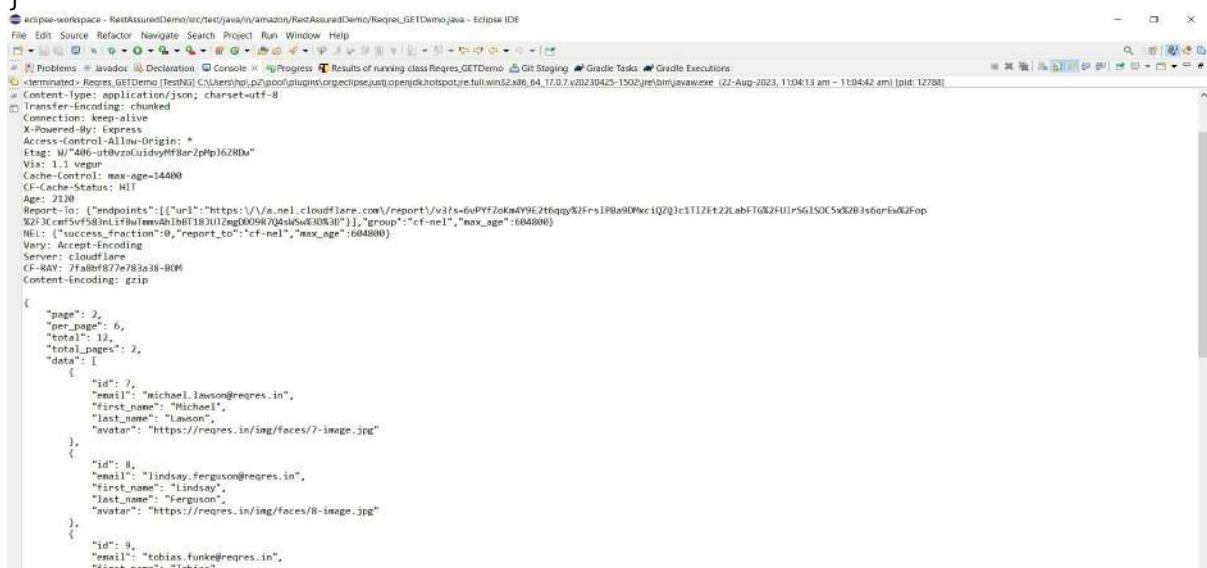


LESSON END PROJECT

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();
    }
}
```



```
curl -H "Accept: application/json; charset=utf-8" https://reqres.in/api/users?page=2
{
  "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"
    }
  ]
}
```



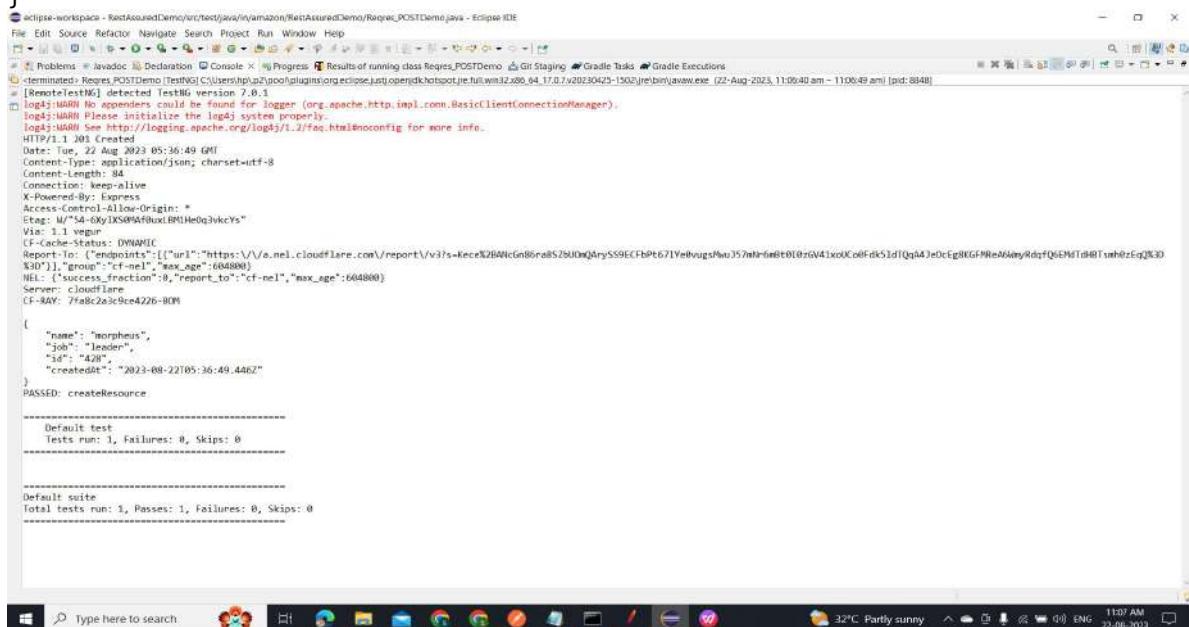
```
Test: 1/1 Method(s) (0:47 ms)
  Passed: 1
  Failed: 0
  Skipped: 0
```

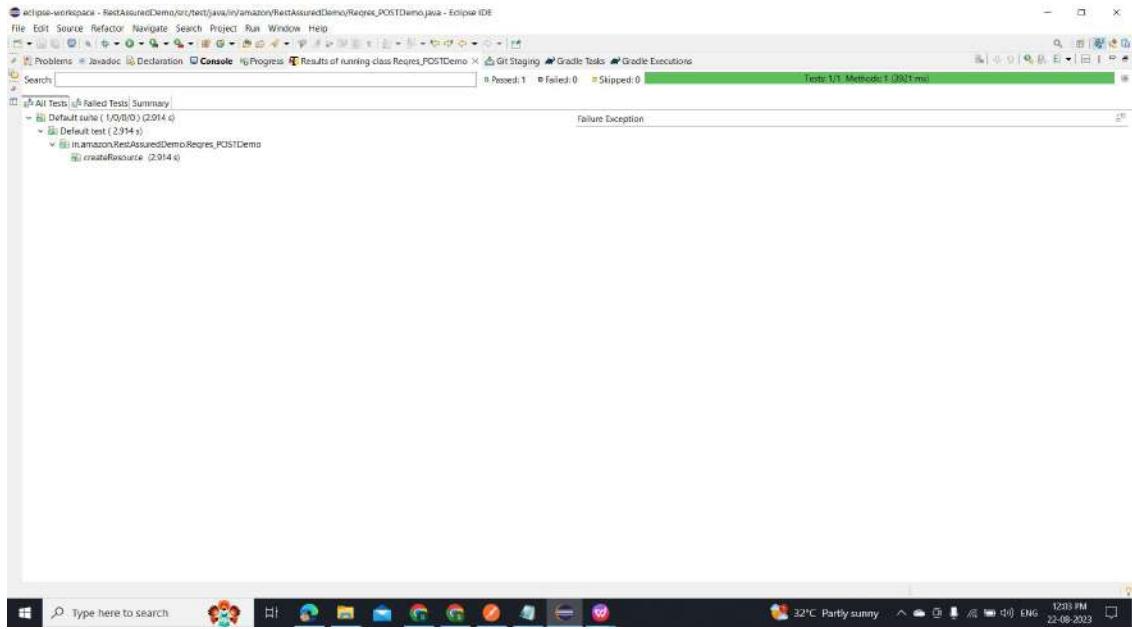


```
Test: 1/1 Method(s) (0:47 ms)
  Passed: 1
  Failed: 0
  Skipped: 0
```

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();
}
}
```





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 - src/test/java/in/amazon/RestAssuredDemo/Reqres_PUTDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console Progress Results of running class Reqres_PUTDemo Git Staging Gradle Tasks Gradle Executions
<terminated> Reqres_PUTDemo [TestNG] C:\Users\saif\Downloads\plugins\org.eclipse.jdt.core\openjdk\hotspot\re\win32x86_64_17.0.7\20230425-1502\jetty\java\www\ee [22-Aug-2023, 11:08:30 am - 11:08:39 am] [pid: 12404]
[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/faq.html#noconfig 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-7qnRpk51knovWij3j8ueK3NMaXk"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: endpoint="[[{"id": "https://v2.vcf.net.cloudflare.com/report/v3?r=61gP0zgu02F9z3eSih8hv8u8FFahth20Sq06R07krt360x061j9Ygn20C%2Bc62B0Jg2e382RaTRpx188nkh%2FR02fQL12U144bg66lyQ68Q9cvpa3dw1udK2lAdpkE25wL088j01"}, {"group": "cf-nel", "max_age": 604800}], "group": "cf-nel", "max_age": 604800}
NEL: {"success_fraction": 0, "report_to": "cf-nel", "max_age": 604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: 7fa8c5ebda64bf9-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
=====
```

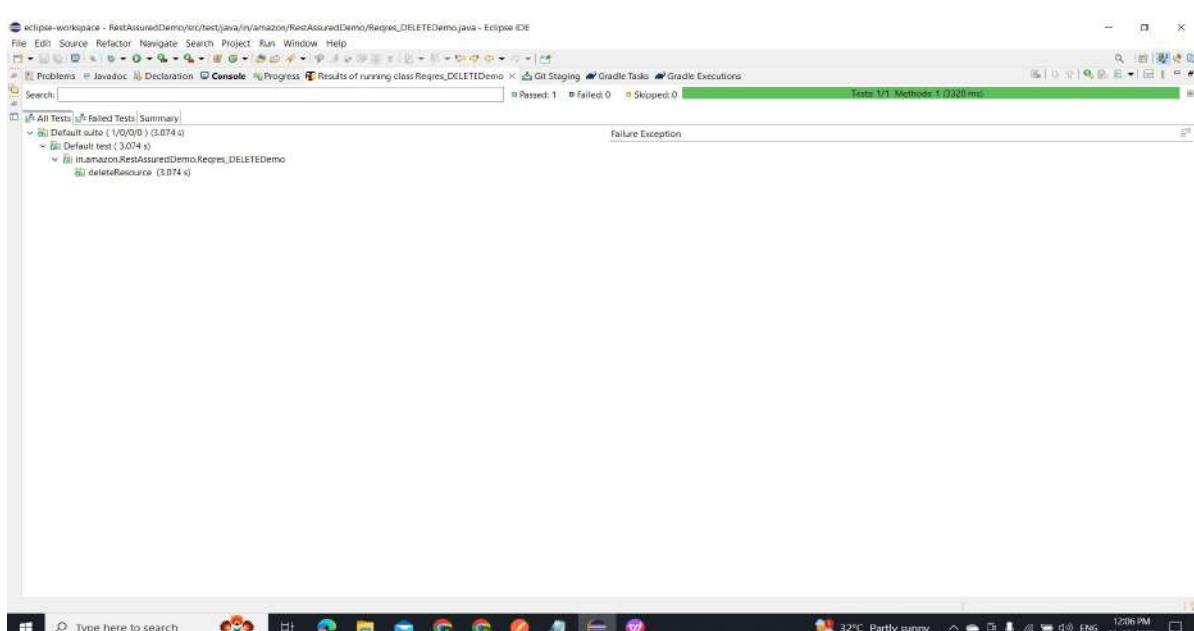
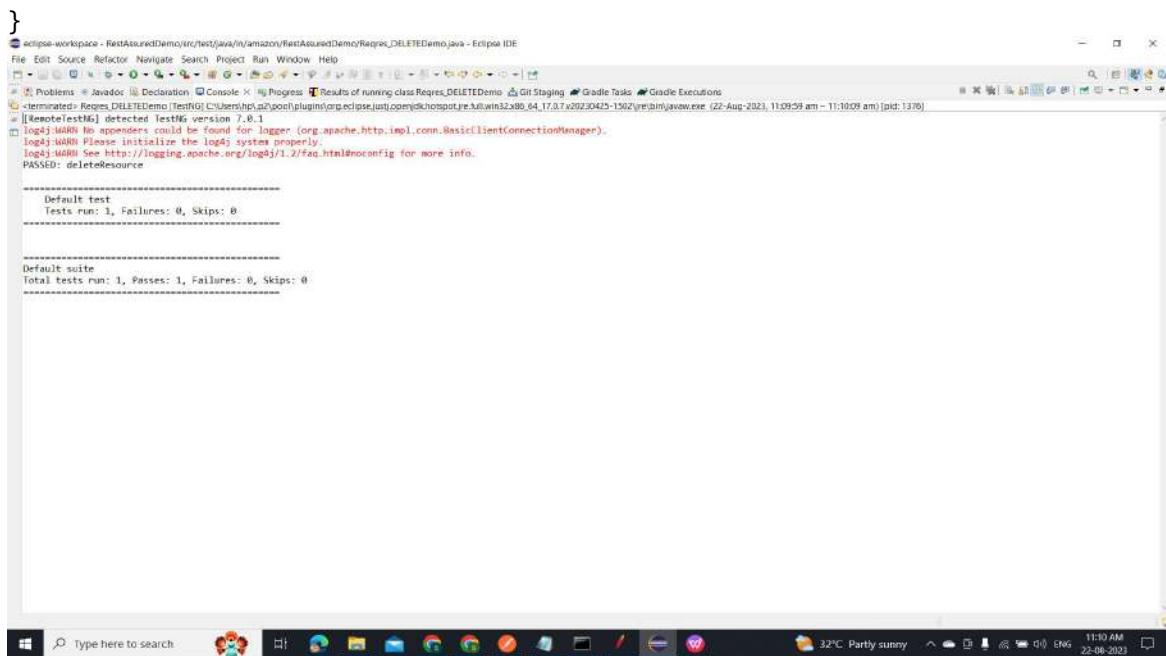
```

eclipse-workspace - RestAssuredDemo - src/test/java/in/amazon/RestAssuredDemo/Reqres_DELETEDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console Progress Results of running class Reqres_DELETEDemo Git Staging Gradle Tasks Gradle Executions
Search [ ] Tests: 1/1, Methods: 1 (4ms)
[+] All Tests [+] Edited Tests [Summary]
- Default suite ( 1/0/0 ) (2.936 s)
  - Default test ( 2.936 s)
    - in.amazon.RestAssuredDemo.Reqres_DELETEDemo
      - updateResource ( 2.936 s)
Failure Exception:
```

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/in/amazon/RestAssuredDemo/Reqres_GET_POST_PUT_DELETEDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console Progress Results of running class Reqres_GET_POST_PUT_DELETEDemo Git Staging Gradle Tasks Gradle Executions
<terminated> Reqres_GET_POST_PUT_DELETEDemo [TestNG] C:\Users\shri\Downloads\org.eclipse.jdt.openeditorspotfire\fullwin32\jdt\17.0.7\20230429-1502\releasew (22-Aug-2023, 11:12:09 am - 11:12:10 am) [pid: 11130]
INFO 2023-08-22 11:12:16,633 LogDemo [main] Payload 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/"4d-k004a278qopEVn7Q/mdd/+vxEl"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints": [{"url": "https://a.mel.cloudflare.com/report/v3?<redacted>"}], "group": "cf-nel", "max_age": 604800}
Alt: {"success_fraction": 0, "report_to": "cf-nel", "max_age": 604800}
Server: cloudflare
CF-RAY: 7fa8caaaabdb48ed-BOM

{
    "name": "morphous",
    "job": "leader",
    "id": "4771",
    "createdAt": "2023-08-22T05:42:17.344Z"
}
HTTP/2 201 Created LogDemo [main] Resource Created Successfully
HTTP/2 200 OK LogDemo [main] Resource Deleted
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-k004a278qopEVn7Q/mdd/+vxEl"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints": [{"url": "https://a.mel.cloudflare.com/report/v3?<redacted>"}], "group": "cf-nel", "max_age": 604800}
Alt: {"success_fraction": 0, "report_to": "cf-nel", "max_age": 604800}
Vary: Accept-encoding
Server: cloudflare
CF-RAY: 7fa8caaaabdb48ed-BOM

```

Tests: 1/1 - Methods: 4 (500 ms)		
All Tests	Failed Tests Summary	
Default suite (4/0/0/0) (4.565 s)	Failure Exception	
Default test (4.565 s)		
in.amazon.RestAssuredDemo.Reqres_GET_POST_PUT_DELETEDemo		
createPayLoad (3.114 s)		
createResource (0.593 s)		
deleteResource (0.0416 s)		
updateResource (0.442 s)		

TESTBASE:

```

package in.amazon.RestAssuredDemo;
import org.apache.log4j.Logger;
import org.apache.log4j.Level;
import org.apache.log4j.PropertyConfigurator;
import org.testng.annotations.BeforeClass;
import io.restassured.response.Response;
import io.restassured.specification.RequestSpecification;
public class TestBase {
public static RequestSpecification httpRequest;
public static Response response;
public Logger logger;
@BeforeClass
public void setUp() {
logger = Logger.getLogger("LogDemo");
PropertyConfigurator.configure("log4j.properties");
logger.setLevel(Level.DEBUG);
}
}

```