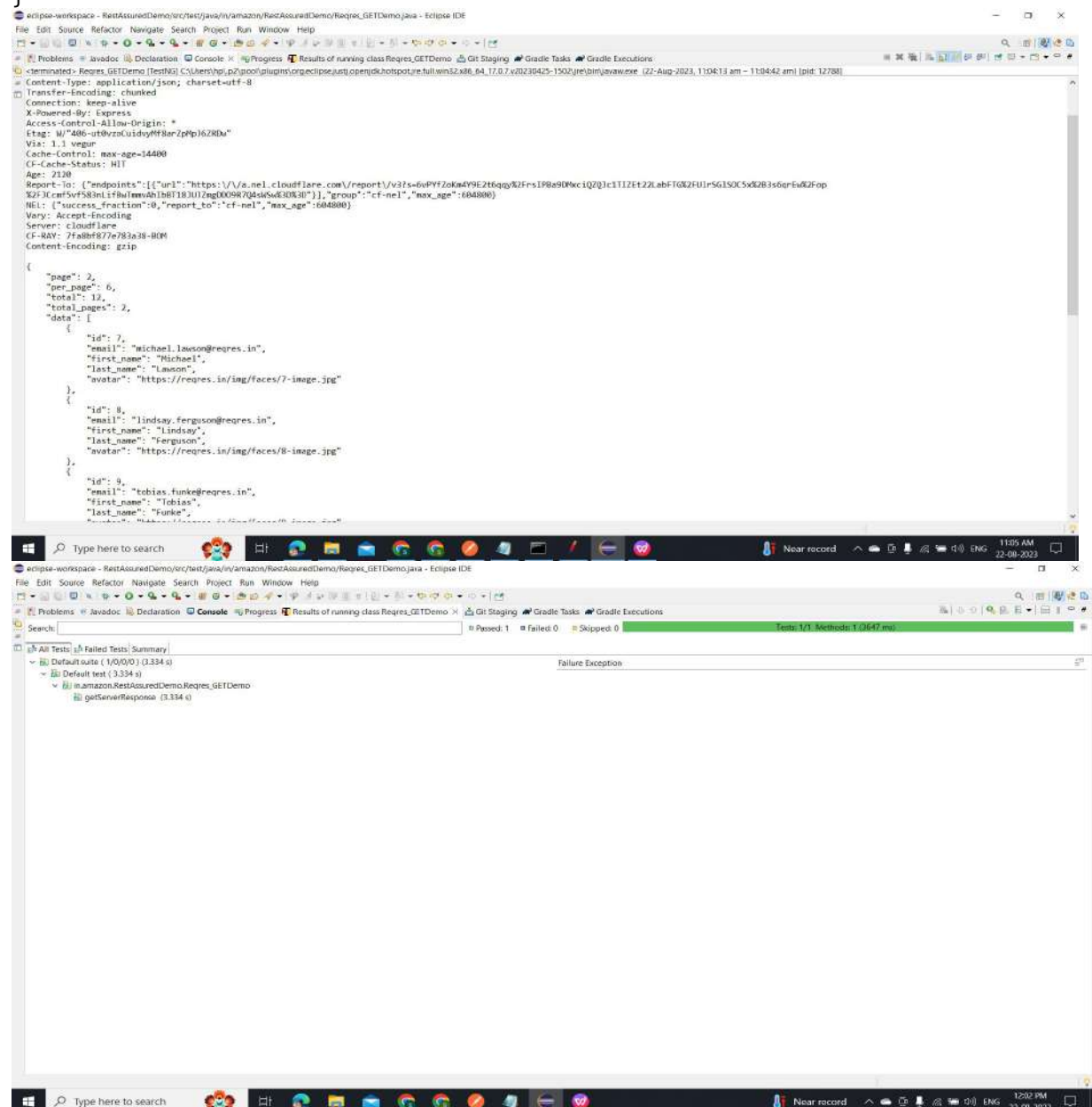


LESSON END PROJECT

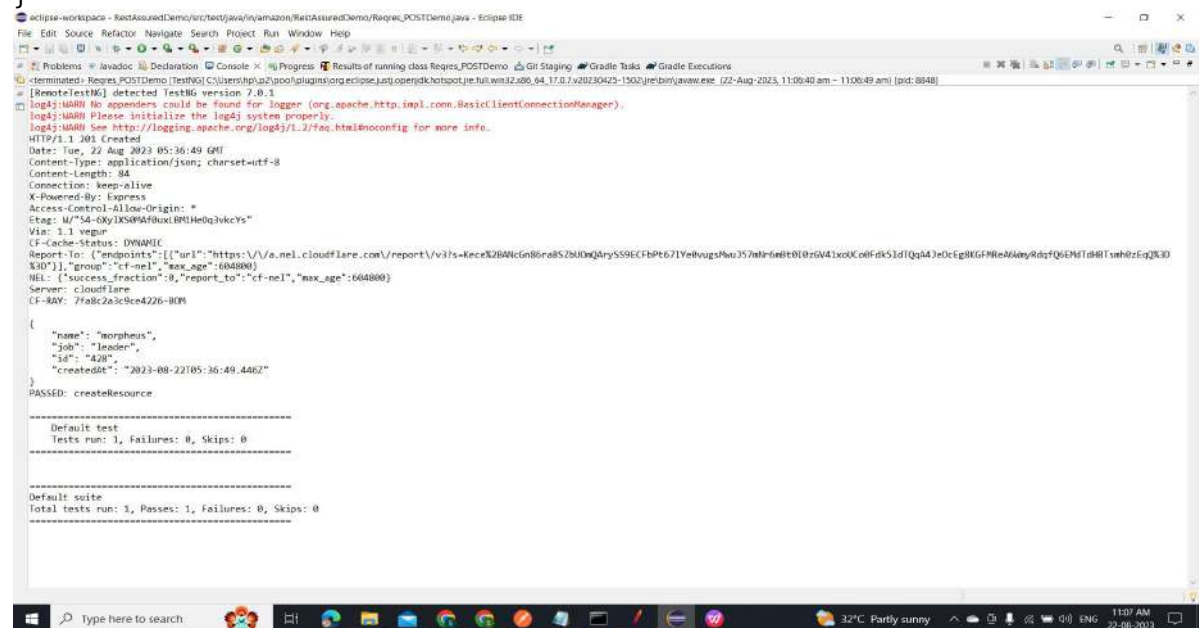
FOR GET REQUEST:

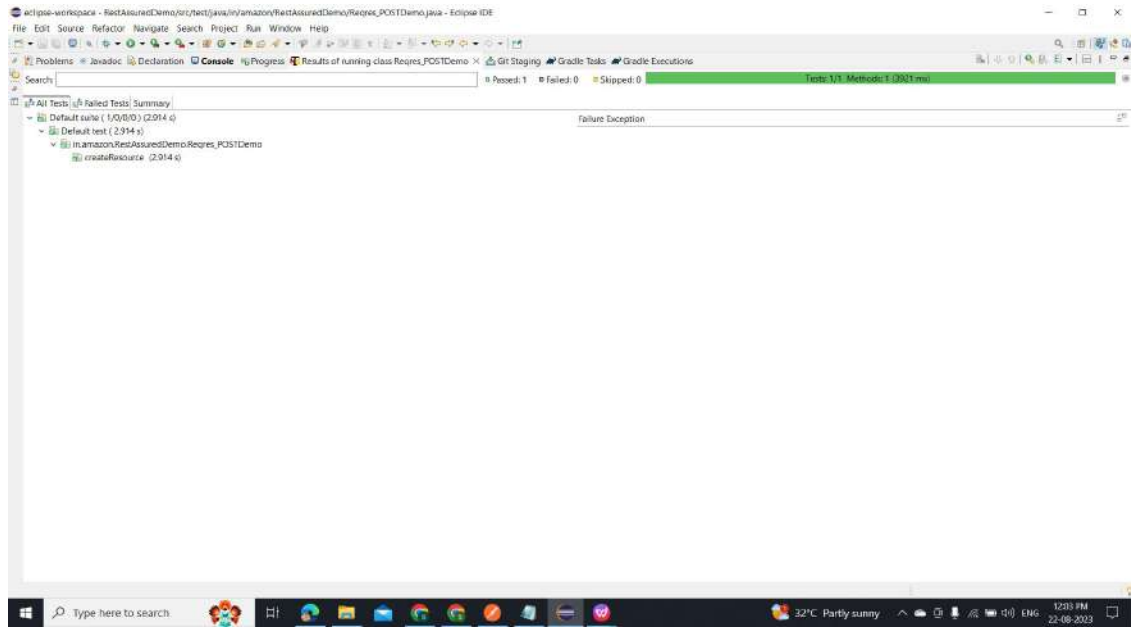
```
package in.amazon.RestAssuredDemo;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
public class Reqres_GETDemo {
@Test
public void getServerResponse() {
RestAssured
.when()
.get("https://reqres.in/api/users?page=2")
.then()
.assertThat()
.statusCode(200)
.log().all();
}
}
```



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/";
        RestAssured.basePath = "/api/users";
    }
    @Test
    public void createResource() {
        RestAssured
            .given()
            .contentType("application/json")
            .body(map)
            .when()
            .post()
            .then()
            .statusCode(201)
            .log().all();
    }
}
```



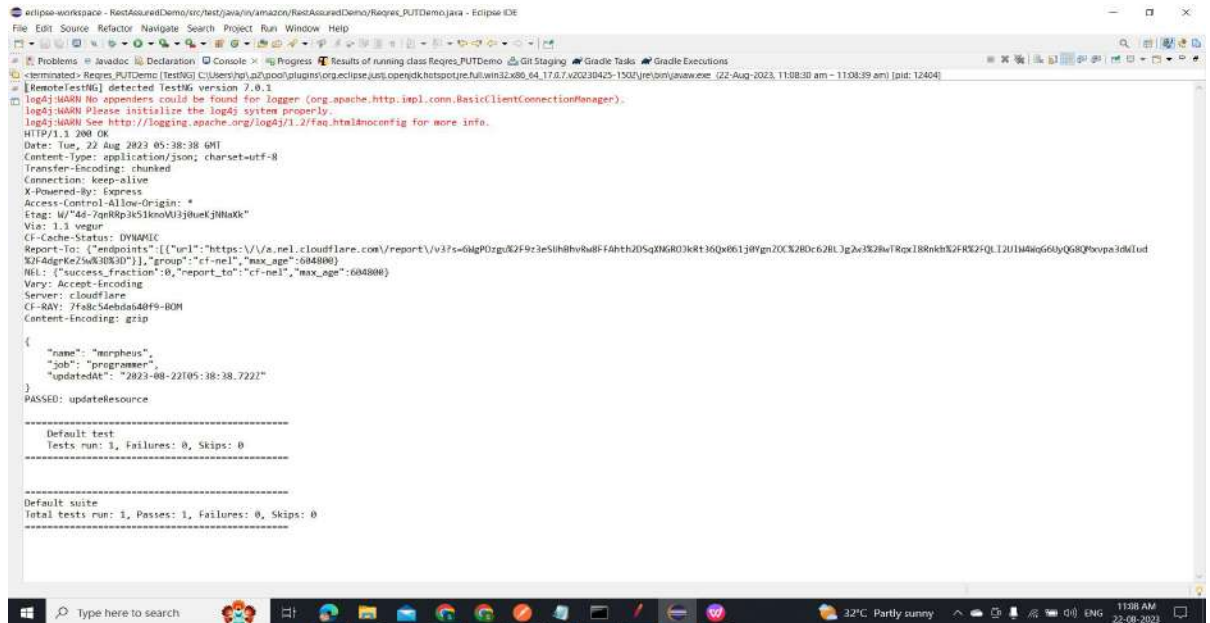


FOR PUT REQUEST:

```

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/";
        RestAssured.basePath = "/api/users/848";
    }
    @Test
    public void updateResource() {
        RestAssured
            .given()
            .contentType("application/json")
            .body(map)
            .when()
            .put()
            .then()
            .statusCode(200)
            .log().all();
    }
}

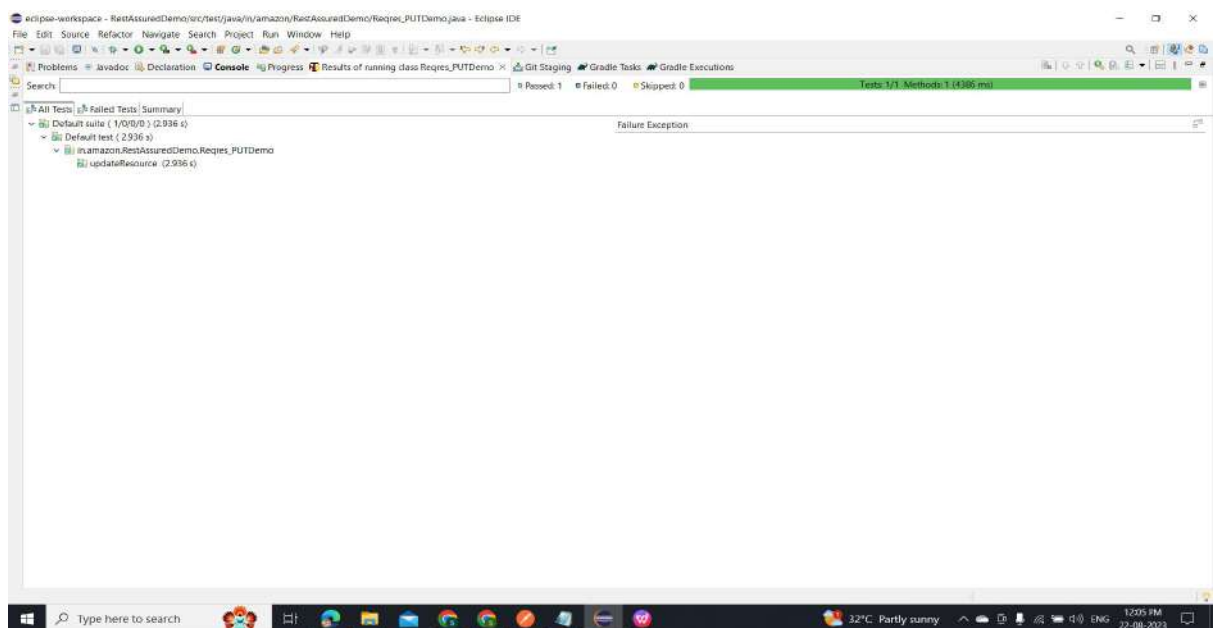
```



```
terminated> Reqres_PUTDemo [Testing] C:\Users\hp\appdata\local\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-150E\jre\bin\java.exe (22-Aug-2023, 11:08:30 am) [pid: 12404]
[RemoteTestNG] detected TestNG version 7.0.1
log4j:WARN No appenders could be found for logger (org.apache.http.impl.com.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/"d4-7qnRb3k5lkn0M1330ueKJHhA0K"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-To: {"endpoints":[{"url":"https://a.nel.cloudflare.com/report/v3?s=6aigP0zgU2F9z3eSiHh8u8F-FAhth20SgDhG803kHt36Qx861j8Ygn20C3280c626L3gA2528wI8pc188nkhX2FRK2fQL12U144aig66lyQ68Pbvpa3deLudK2f4dgrkeZuWk030"}], "group":"cf-nel", "max_age":604800}
NEL: {"success_fraction":0,"report_to":"cf-nel","max_age":604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: 7F8c54ebdada0f9-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, Passed: 1, Failures: 0, Skips: 0
-----
```

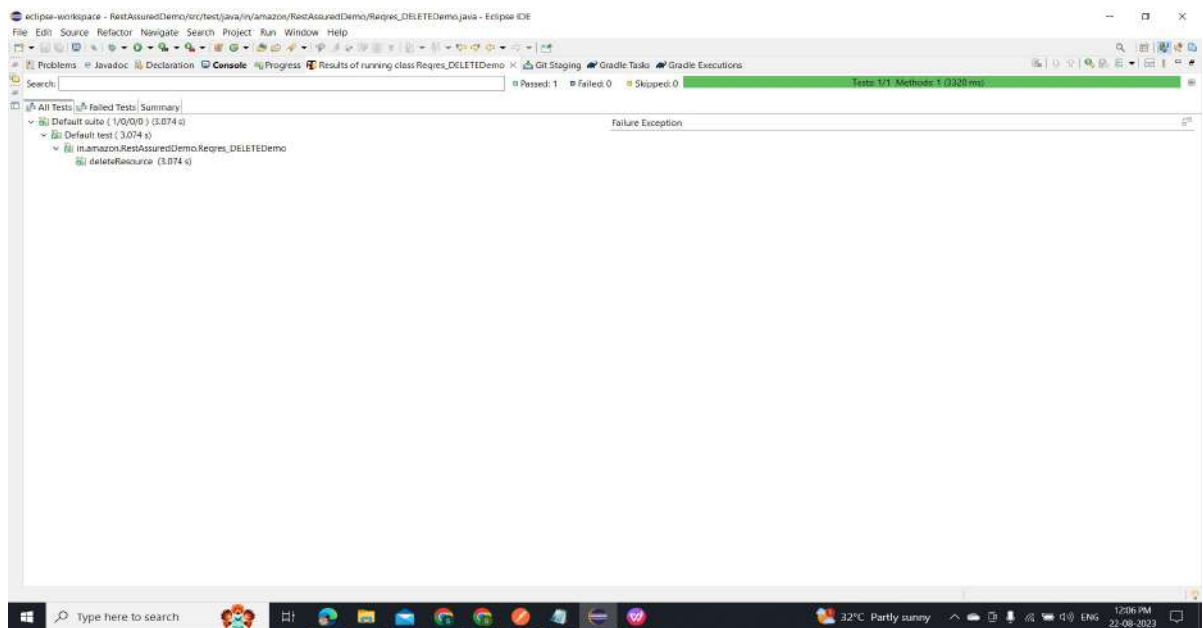
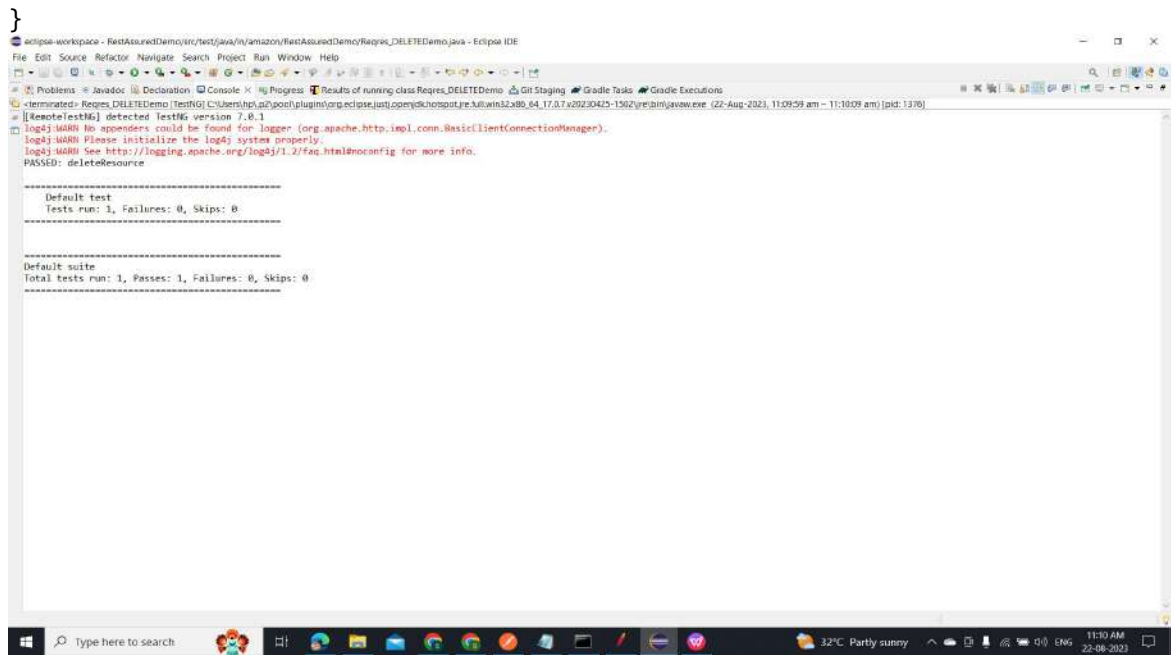


```
Search:
All Tests: 1 Failed Tests: Summary
Default suite (1/0/0) (2.936 s)
  Default test (2.936 s)
    in:amazon:RestAssuredDemo:Reqres_PUTDemo
      updateResource (2.936 s)
        Failure Exception:

```

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/";
RestAssured.basePath = "/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/";
        RestAssured.basePath = "/api/users?page=2";
        RestAssured
        .when()

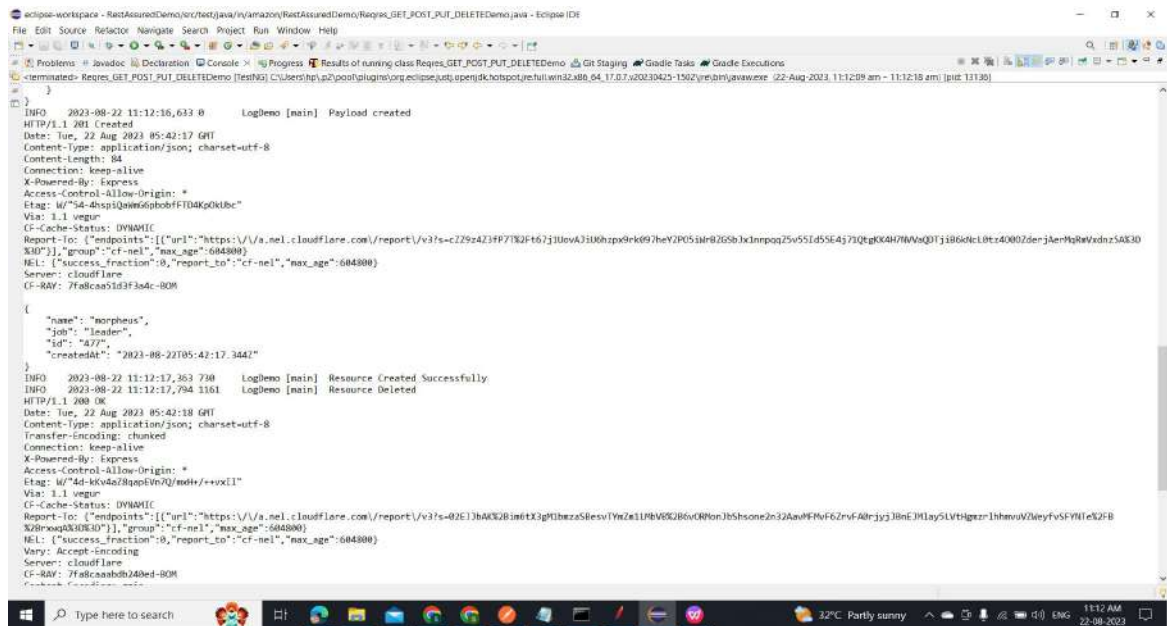
```

```

.get("/api/users?page=2")
.then()
.assrtThat()
.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

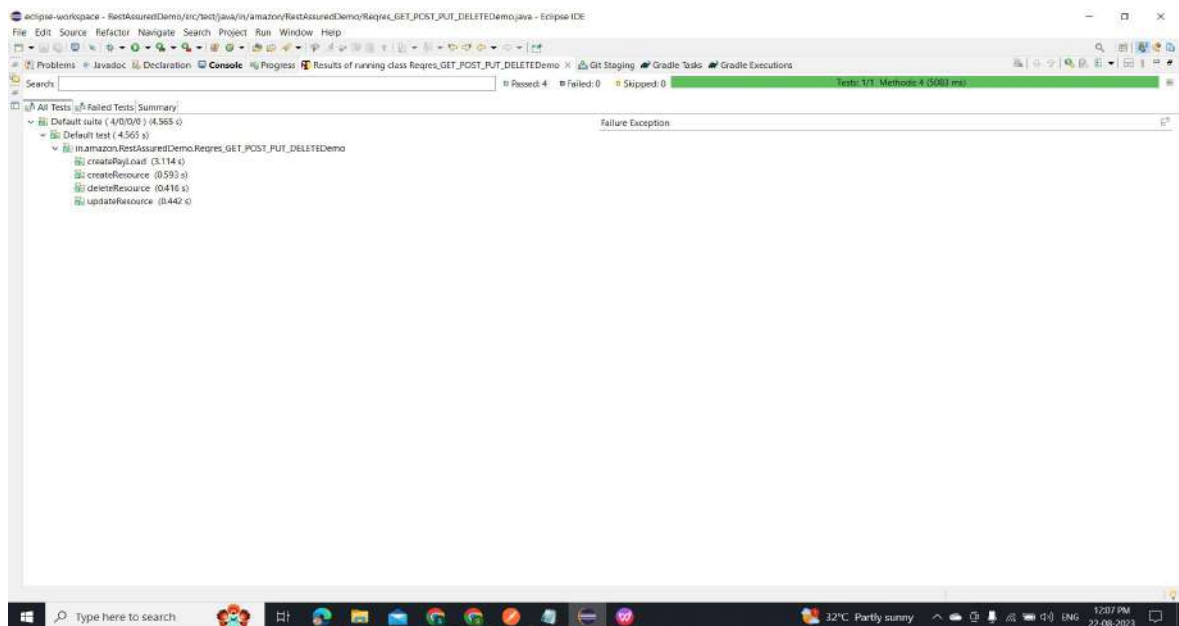
public void updateResource() {
map.put("job", "programmer");
RestAssured.basePath = "/api/users/848";
RestAssured
.given()
.contentType("application/json")
.body(map)
.when()
.put()
.then()
.statusCode(200)
.log().all();
logger.info("Resource updated");
}
@Test
public void deleteResource() {
RestAssured.basePath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

```



```
INFO 2023-08-22 11:12:16,633 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/"54-dhspiqwim6phobfFTD4p0ktbc"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-Id: [{"url":"https://a.nel.cloudflare.com/report/v3?ts=c229z423FP7T82f6j3Uev43iUkhzpxdk097heV2P05i4r8Z6SbJxInnpqg25v51d55E4j73QgK04H7NVuQ0Tj3B6KdcL0t40002derJ4erHqR4vdrzSAK30X30"}], "group": "cf-nel", "max_age": 604800}
NEL: [{"success_fraction": 0, "report_to": "cf-nel", "max_age": 604800}]
Server: cloudflare
CF-RAY: 7fa8caa51d3f3da4-80M

{"name": "morpheus",
 "job": "leader",
 "id": "477",
 "createdAt": "2023-08-22T05:42:17.344Z"}
INFO 2023-08-22 11:12:17,263 738 LogDemo [main] Resource Created Successfully
INFO 2023-08-22 11:12:17,794 1161 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-kkx4aZ8qapVn7Q/mdw/+vxll"
Via: 1.1 vegur
CF-Cache-Status: DYNAMIC
Report-Id: [{"url":"https://a.nel.cloudflare.com/report/v3?ts=02e13bAC02B3m6TX3p0heze8BsvYmZel1UBV8X2B6vORlonb5hsone2n32AawF6ZrvF4Brjy3J8nE3M1ay5LVtHgzr31hmuV24eyFvSPYNTe%2FBX28mxa4X03E30"}], "group": "cf-nel", "max_age": 604800}
Vary: Accept-Encoding
Server: cloudflare
CF-RAY: 7fa8caa5bd240ed-80M
```



```
Tests: 1/1, Methods: 4 (5081 ms)
All Tests: 4 Failed Tests: Summary
Default suite (4/0/0) (4.565 s)
  Default test (4.565 s)
    in amazon.RestAssuredDemo.Regres_GET_POST_PUT_DELETEDemo
      createPayload (3.114 s)
      createResource (0.593 s)
      deleteResource (0.016 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);
    }
}
```