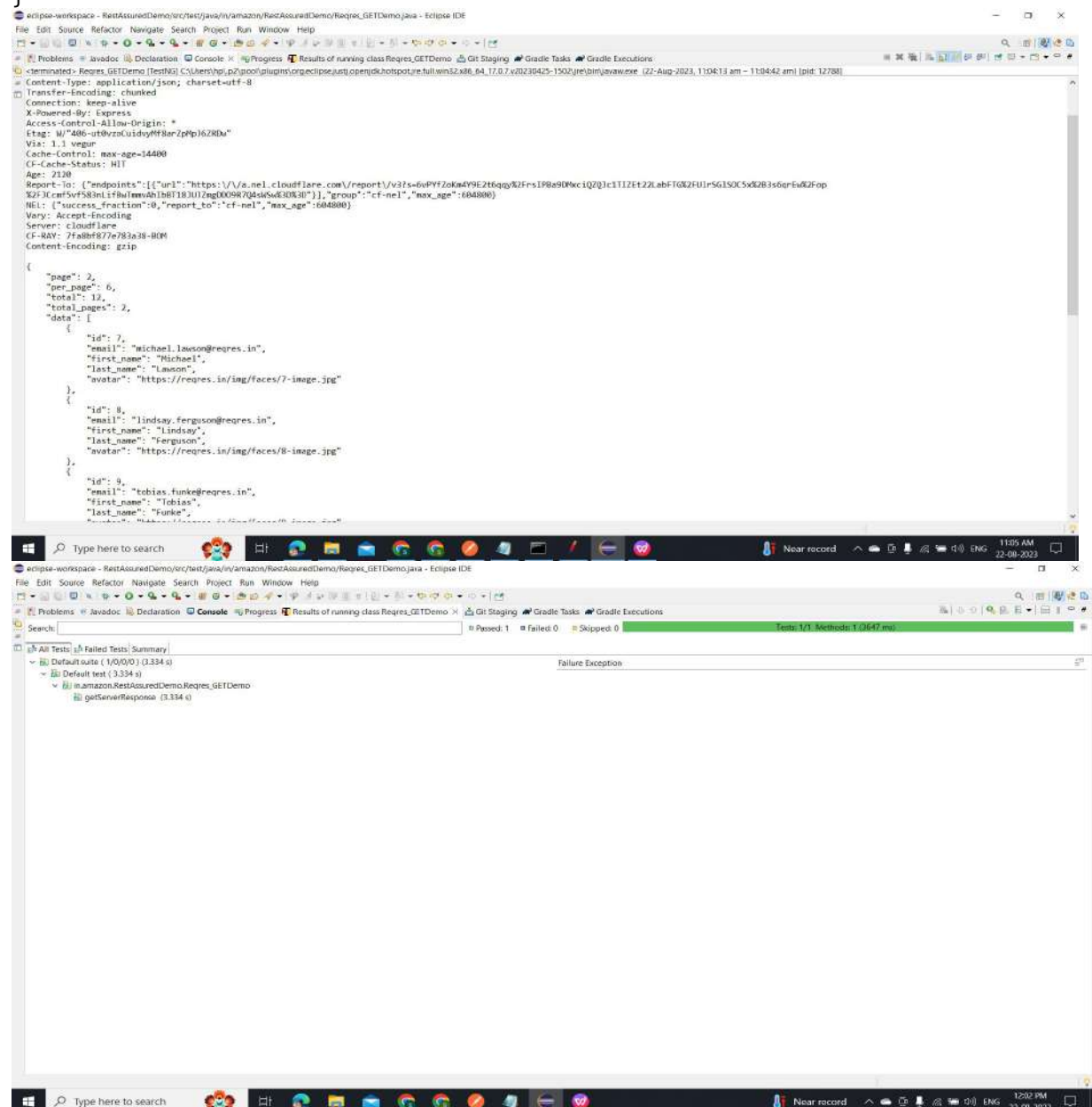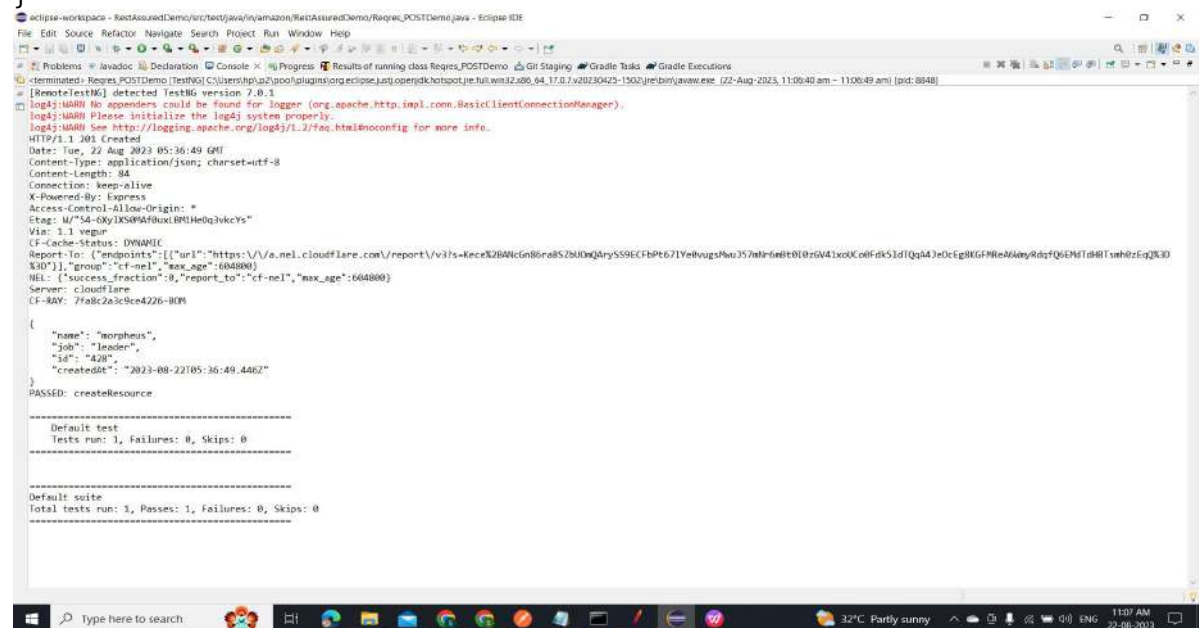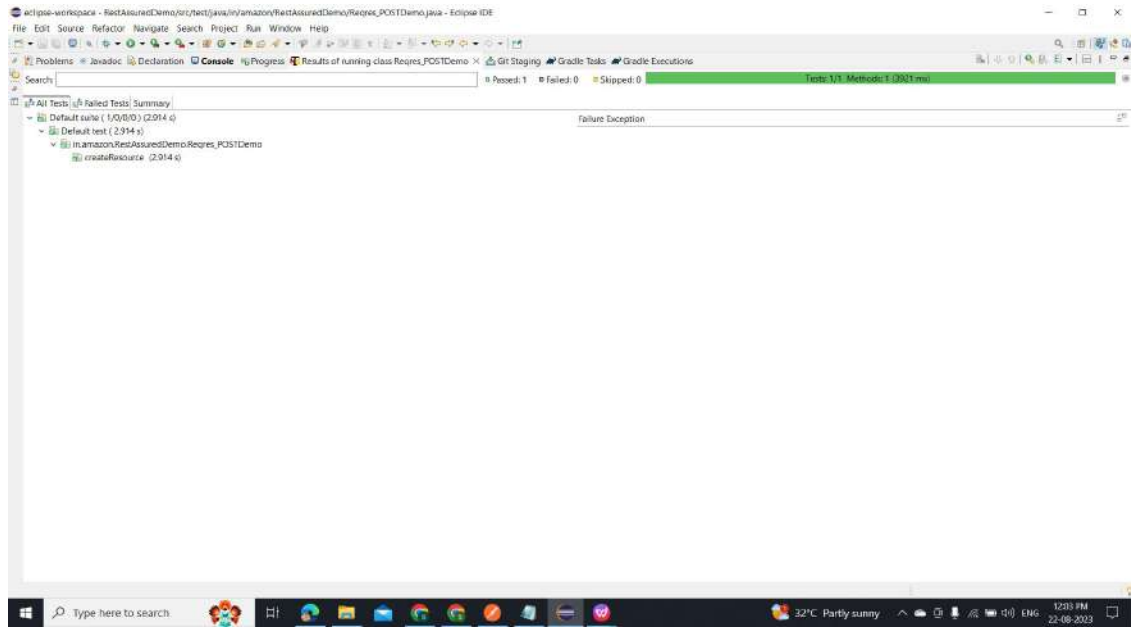# LESSION END PROJECT

FOR GET REQUEST:

```java
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:

```java
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();
}
}
```
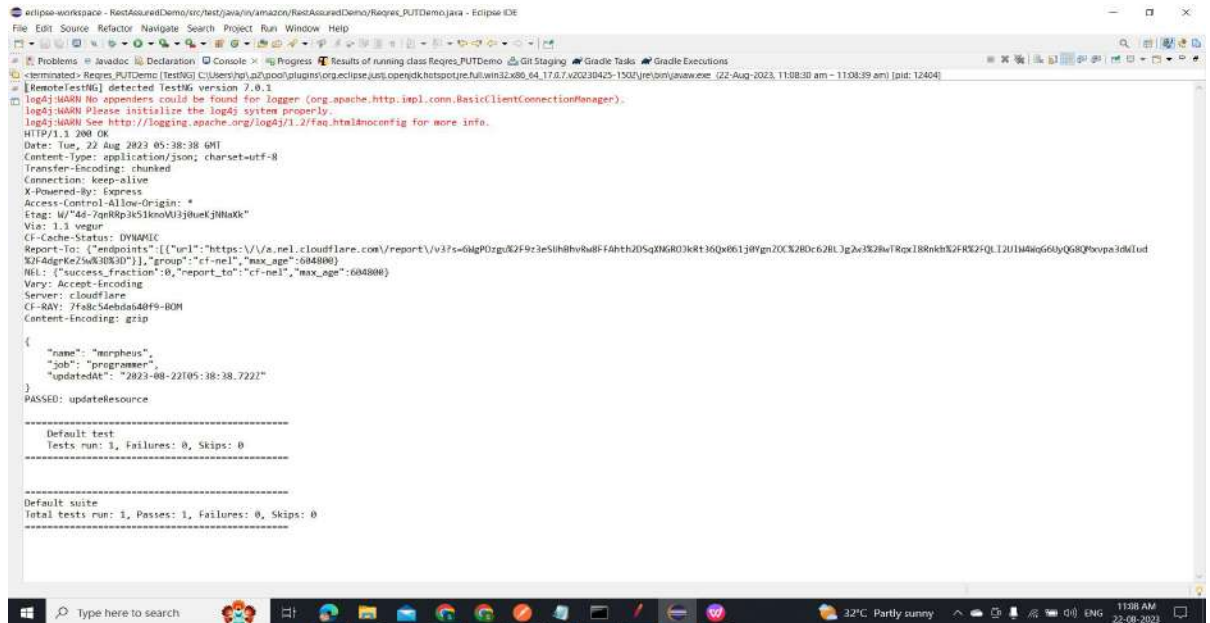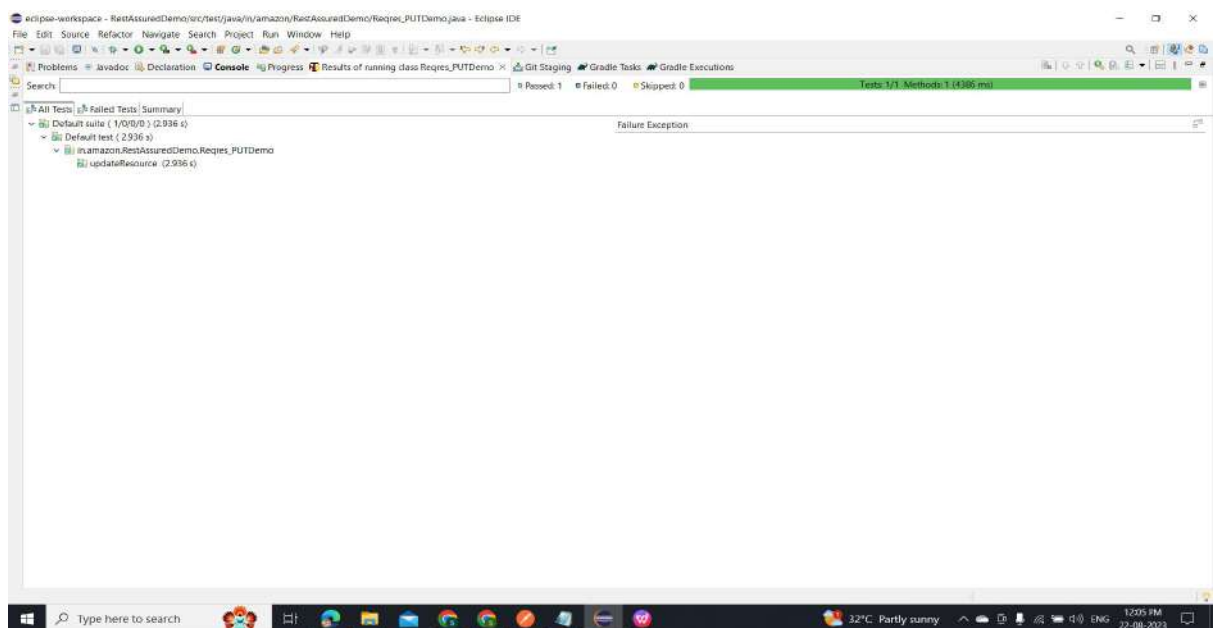
FOR PUT REQUEST:

```java
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();
}
}
```

FOR DELETE REQUEST:

```java
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);
}
```

}
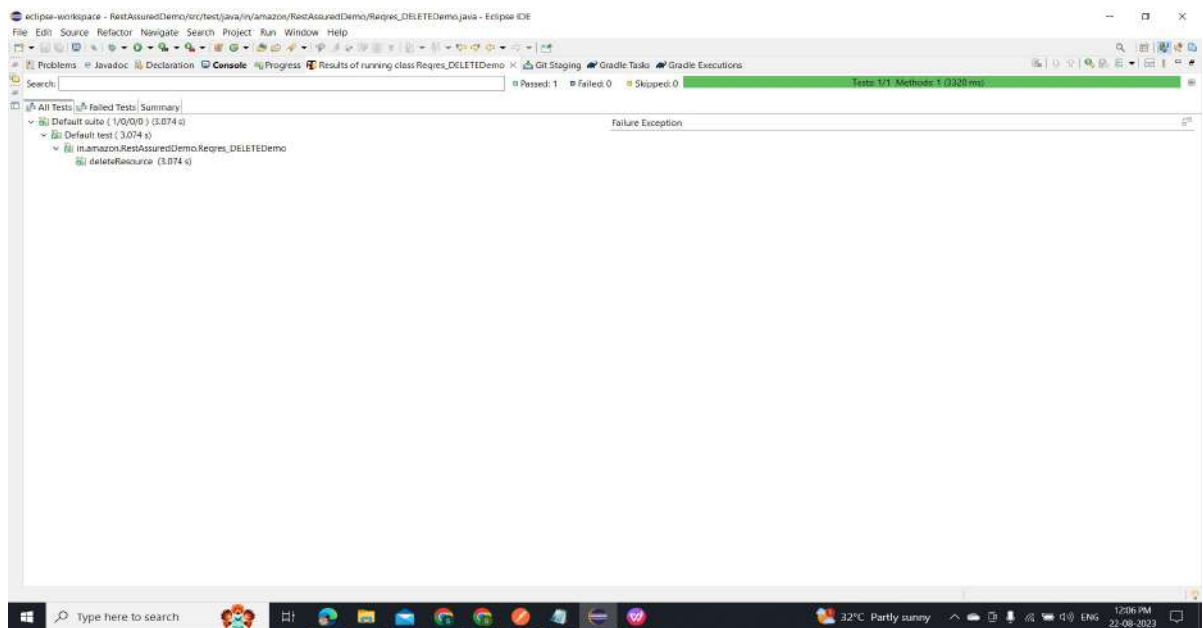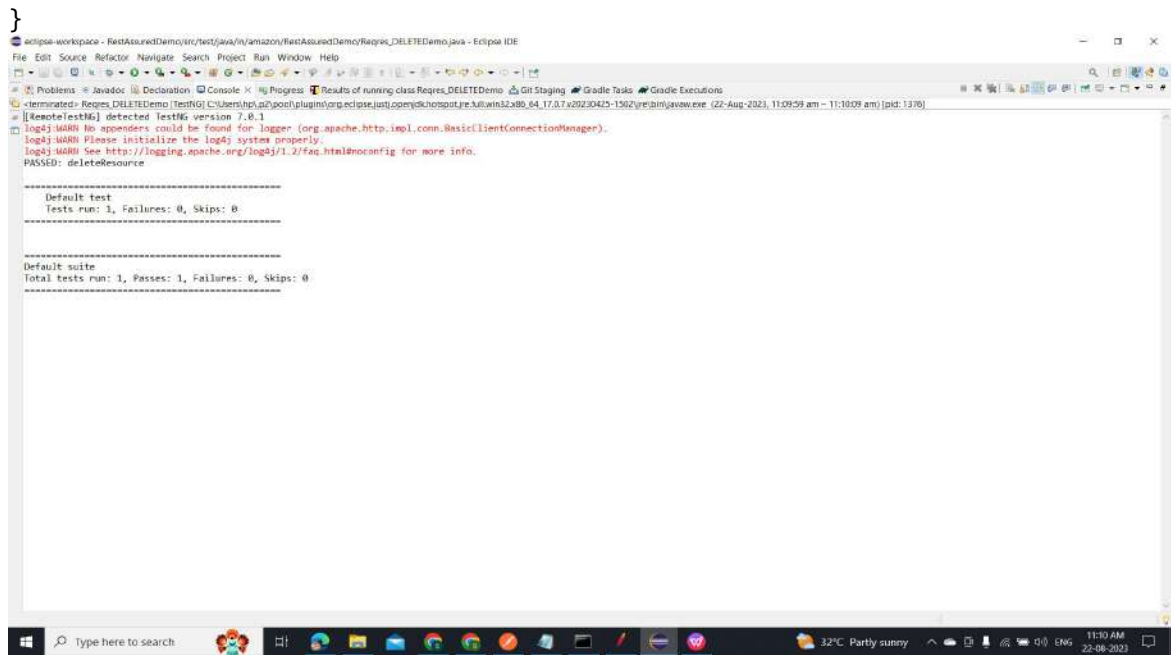
FOR GET POST PUT DELETE IN ONE CODE:

```java
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()
```
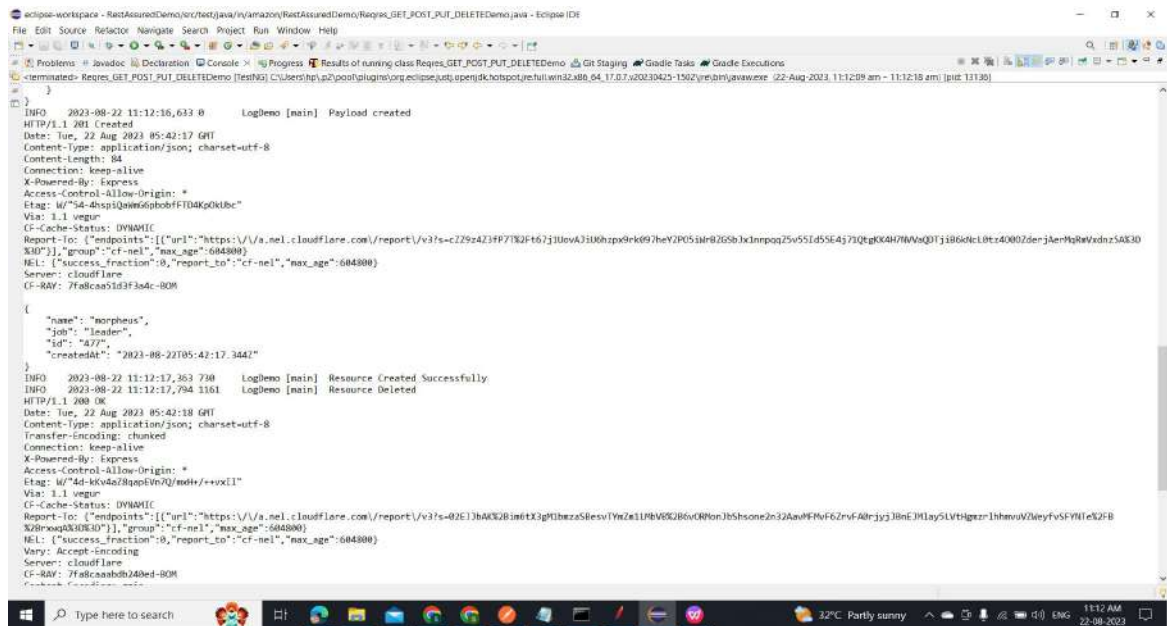
```java
.get("/api/users?page=2")
.then()
.assertThat()
.statusCode(200)
.log().all();
logger.info("Payload created");
}
@Test
public void createResource() {
RestAssured
.given()
.contentType("application/json")
.body(map)
.when()
.post("/api/users")
.then()
.statusCode(201)
.log().all();
logger.info("Resource 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");
}
}
```
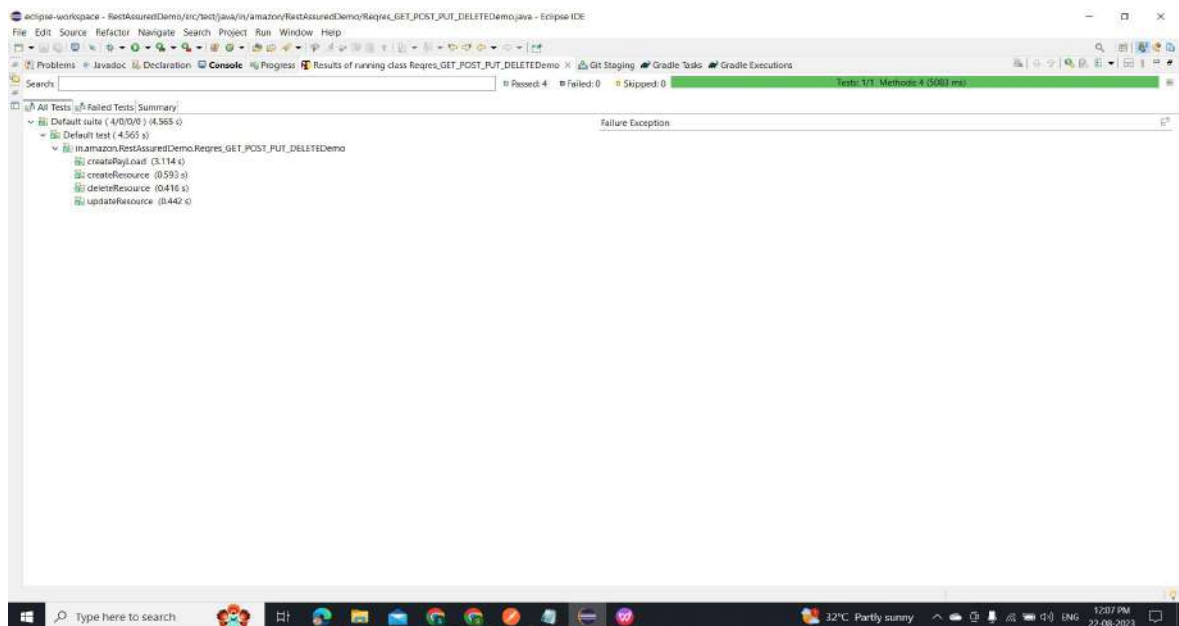
TESTBASE:

```java
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);
}
}
```