Code:

Postman

https://github.com/Rajibcoder/test/blob/main/ReqRes.postman_collection.json

Rest Assured

log4j.properties
```
log4j.rootLogger=ERROR,stdout
log4j.logger.com.endeca=INFO
log4j.logger.LogDemo=DEBUG, dest1
# Logger for crawl metrics
log4j.logger.com.endeca.itl.web.metrics=INFO
log4j.appender.stdout=org.apache.log4j.ConsoleAppender
log4j.appender.stdout.layout=org.apache.log4j.PatternLayout
log4j.appender.stdout.layout.ConversionPattern=%p\t%d{ISO8601}\t%r\t%c\t[%t]\t%m%n
```

TestBase.java
```java
package API.RestAssuredDemo;
import org.apache.log4j.Level;
import org.apache.log4j.Logger;
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);
        }
}
```

reqres.java
```java
package API.RestAssuredDemo;
import java.util.HashMap;
import org.testng.annotations.Test;
import io.restassured.RestAssured;
import static org.hamcrest.Matchers.is;

public class reqres extends TestBase{
        HashMap<String, String> map = new HashMap<String, String>();
```

```java
@Test(priority = 0)

public void GETreq() {

        RestAssured
                .when()
                        .get("https://reqres.in/api/users?page=2")
                .then()
                        .statusCode(200)
                        .assertThat()
                        .body("data[0].first_name", is("Michael"));
logger.info("Resource verified Successfully");

}

@Test(priority = 1)

public void createResourse() {
        map.put( "name", "morpheus");
        map.put( "job", "leader");
        RestAssured.baseURI = "https://reqres.in/";
        RestAssured.basePath = "api/users";
        RestAssured
                .given()
                        .contentType("application/json")
                        .body(map)
                .when()
                        .post()
                .then()
                        .statusCode(201)
                        .assertThat()
                        .body("job", is("leader"));

        logger.info("Resource created");
}

@Test(priority = 2)

public void updateResourse() {
        map.put( "name", "morpheus");
        map.put( "job", "Doctor");
        RestAssured.baseURI = "https://reqres.in/";
        RestAssured.basePath = "api/users/2";
        RestAssured
                .given()
                        .contentType("application/json")
                        .body(map)
                .when()
                        .put()
                .then()
                        .statusCode(200)
                        .assertThat()
                        .body("job", is("Doctor"));

        logger.info("Resource updated");
}
```

```java
@Test(priority = 3)

public void deleteResourse() {
        RestAssured.baseURI = "https://reqres.in/";
        RestAssured.basePath = "api/users/2";

        RestAssured
                .when()
                        .delete()
                .then()
                        .statusCode(204);
        logger.info("Resource Deleted Successfully");
    }
}
```

Jmeter

https://github.com/Rajibcoder/test/blob/main/getDemo.jmx