**This tutorial is for**

Anyone who:

wants to learn REST assured from scratch wants to create an API testing framework

needs step by step instructions from basics

needs complete hands-on videos with examples

**What is REST Assured |Use**

REST Assured is a java library for testing RESTful web services

It is used to invoke REST web services and check response

Can be used to test XML as well as JSON based web services

It supports POST, GET, PUT, DELETE, OPTIONS, PATCH and HEAD requests and can be used to validate and verify the response of these requests

Can be integrated with testing frameworks like JUnit, TestNG etc

REST Assured is implemented in Groovy

**Uses BDD style for testing**

BDD - Behaviour Driven Development

Given

When

Then

**Rest Assured website:**

<https://rest-assured.io/>

**Rest Assured Pre-Requisites**

Java

IDE (Eclipse, Intellij, etc…)

Maven

TestNG

**Create project for REST Assured**

Step 1: Open Eclipse

Step 2: Create a maven project

Step 3: Add dependencies in pom.xml

Step 4: Save project

Step 5: Check libraries added

Step 6: Add TestNG plugin in eclipse

**Create 1st Test**

Step 1: Create a class

Step 2: Create a function and annotate with @Test (TestNG)

Step 3: Run a GET request

Step 4: Store response and print response data

Step 5: Add assertions

<https://reqres.in/>

Import io.restassured RestAssured;

import io.restassured.response.Response;

public class TestsExamples

{

@Test

public void test\_1()

{

Response response = RestAssured.get("https://reqres.in/api/users?page=2");

System.out.println(response.getStatusCode());

System.out.println(response.getTime());

System.out.println(response.getBody().asString());

System.out.println(response.getStatusLine());

System.out.println(response.getHeader("content-type"));

int statusCode = response.getStatusCode();

Assert.assertEquals statusCode, 201);

}

}