

# RestAssured Kick Start by Kushan Amarasiri

Let's start RestAssured web services test automation.

First create a maven project in Java and add the following dependencies to the pom.xml file.

```
<dependency>

    <groupId>io.rest-assured</groupId>

    <artifactId>rest-assured</artifactId>

    <version>3.0.0</version>

    <scope>test</scope>

</dependency>
```

Next create a new class file and add the following code snippet to perform simple Get operation.

```
import org.testng.annotations.Test;

import static org.testng.Assert.assertEquals;

import org.testng.Assert;

import io.restassured.RestAssured;

import io.restassured.http.Method;

import io.restassured.response.Response;

import io.restassured.specification.RequestSpecification;

public class RestClass {

    @Test

    public void GetWeatherDetails()

    {

        RestAssured.baseURI = "http://restapi.demoqa.com/utilities/weather/city";

        RequestSpecification httpRequest = RestAssured.given();

        Response response = httpRequest.request(Method.GET, "/Pune");

        int statusCode = response.getStatusCode();

        String responseBody = response.getBody().asString();
```

```

        assertEquals(statusCode, 200);

        Assert.assertEquals(responseBody.toLowerCase().contains("pune"), true, "Response body contains P");
    }
}

```

To perform a PUT operation place the following code snippet into a new Java class created

```

import org.testng.Assert;

import org.testng.annotations.Test;

import org.json.simple.JSONObject;

import io.restassured.RestAssured;

import io.restassured.http.Method;

import io.restassured.response.Response;

import io.restassured.specification.RequestSpecification;

public class PutRequestRestAssured {

    @Test

    public void PostDetails()

    {

        RestAssured.baseURI = "http://restapi.demoqa.com/customer";

        RequestSpecification httpRequest = RestAssured.given();

        JSONObject requestParams = new JSONObject();

        requestParams.put("FirstName", "Kushan"); // Cast

        requestParams.put("LastName", "Amarasiri");

        requestParams.put("UserName", "test123");

        requestParams.put("Password", "password1");

        requestParams.put("Email", "tester101@gmail.com");

        httpRequest.body(requestParams.toJSONString());

        Response response = httpRequest.post("/register");

        int statusCode = response.getStatusCode();

        Assert.assertEquals(statusCode, 200);

    }

}

```