**GET, POST, XML and JSON**

Open eclipse and create a maven project

Create a class and add the following code

package Response;

**import** **static** io.restassured.RestAssured.given;

**import** org.json.simple.JSONObject;

**import** org.testng.annotations.Test;

**import** io.restassured.RestAssured;

**import** io.restassured.http.ContentType;

**import** io.restassured.http.Method; **import** io.restassured.response.Response;

**import** io.restassured.specification.RequestSpecification;

**import** junit.framework.Assert;

public class PostResponse {

@Test

**void** RegistrationSuccessful()

{

//specify base URI

RestAssured.baseURI="http://192.168.1.207:8080/api/employee/";

//Request object

RequestSpecification httpRequest=RestAssured.given();

//contains the information in the json format

//Request payload sending along with post request

JSONObject requestParams=new JSONObject();

requestParams.put("empName","Lavanya");

requestParams.put("empAddress","Bomanahalli");

requestParams.put("mobileNumber","9119321102");

requestParams.put("department","testing");

requestParams.put("teamLead","Aruna");

requestParams.put("salary","10000");

requestParams.put("joiningDate","14-05-19");

httpRequest.header("Content-Type", "application/json");

httpRequest.body(requestParams.toJSONString());//attach above data to the request

//Response object

Response response=httpRequest.request(Method.POST,"/add");

//print response in console window

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

System.out.println("Response Body is:" +responseBody);

//status code validation

**int** statusCode=response.getStatusCode();

System.out.println("Status code is:" +statusCode);

Assert.assertEquals(200,statusCode);

}

@Test

**void** getempDetails()

{

//specify baseUrI

RestAssured.baseURI="http://192.168.1.207:8080/api/employee/search";

//Request object

RequestSpecification httpRequest=RestAssured.given();

//Response object

Response response=httpRequest.request(Method.GET,"/8970922880");

//print response in console window

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

System.out.println("Response Body is:" +responseBody);

//status code validation

**int** statusCode=response.getStatusCode();

System.out.println("status code is :"+statusCode);

Assert.assertEquals(200,statusCode);

}

@Test

public **void** post\_xml\_test() {

Response response = given().contentType(ContentType.XML).accept(ContentType.XML).body("<Employee>" +

"<empName>Lavanya Gowda</empName>" + "<empAddress>abc</empAddress>"

+ "<mobileNumber>1592210060</mobileNumber>" + "<department>abc</department>" + "<project>abc</project>"

+ "<teamLead>abc</teamLead>" + "<salary>10000</salary>" + "<joiningDate>11-10-19</joiningDate>"

+ "</Employee>").when().post("http://192.168.1.207:8080/api/employee/add/xml");

System.out.println("POST Response\n" + response.asString());

// tests

**int** statusCode = response.getStatusCode();

System.out.println("Status code is:" + statusCode);

Assert.assertEquals(200, statusCode

}

}

Run the code using testng

