API TESTING ---LEARN AUTOMATION ONLINE DATE:02-09-2022

For set up json and NODEJS(Preconfiguration)

1.https://www.youtube.com/watch?v=4g2X7_Z9BE4&t=0s

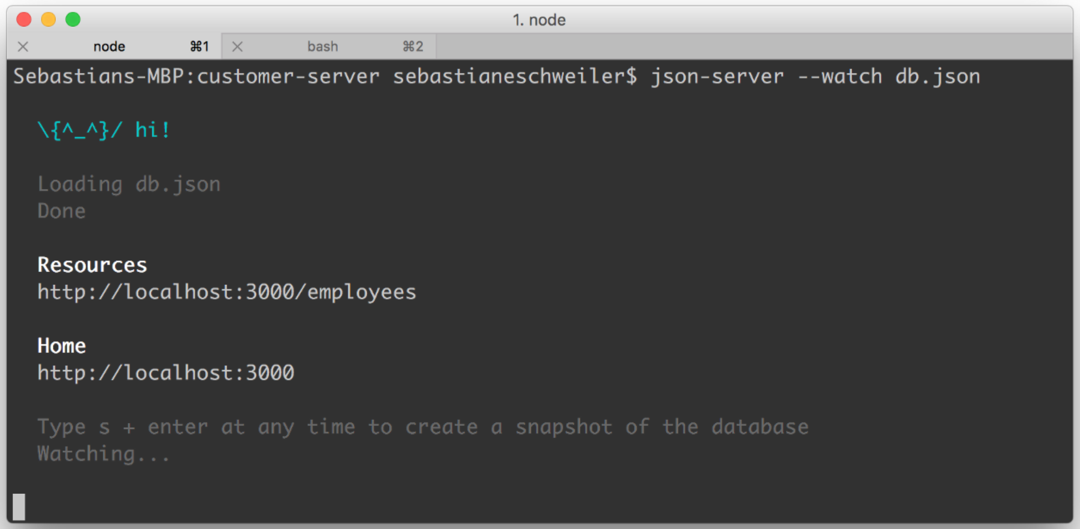
2.https://medium.com/codingthesmartway-com-blog/create-a-rest-api-with-json-server-36da8680136d

Installing JSON Server

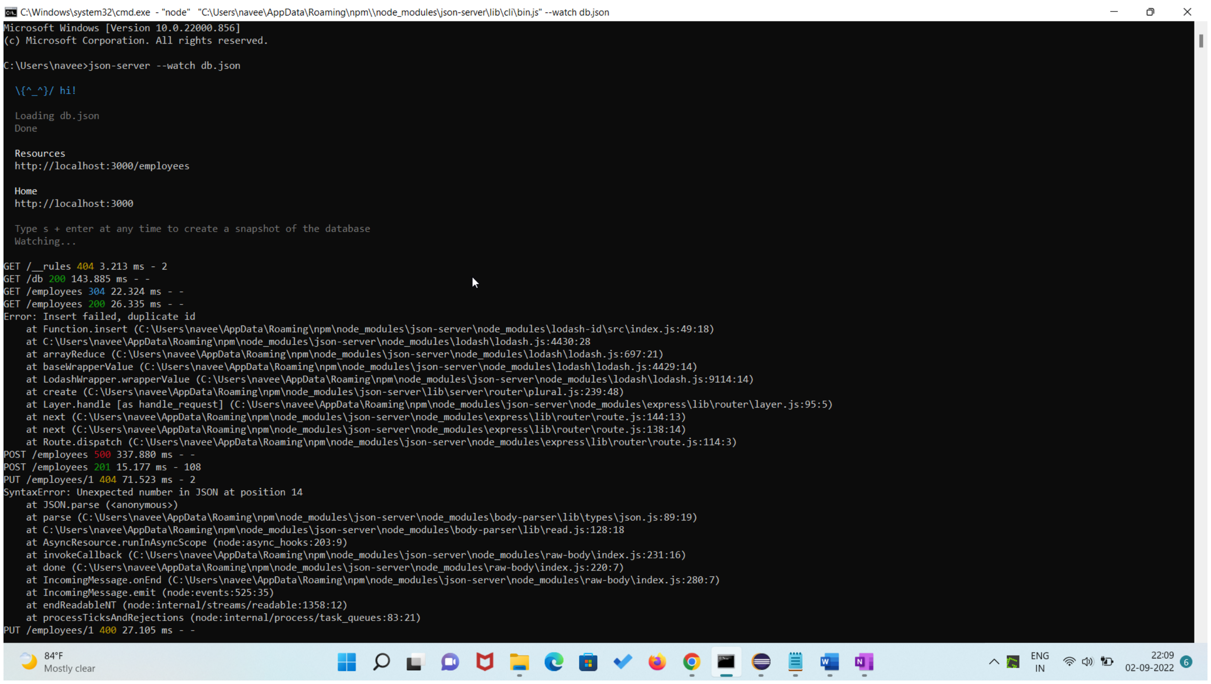
```
$ npm install -g json-server
```

Running The Server

```
$ json-server --watch db.json
```

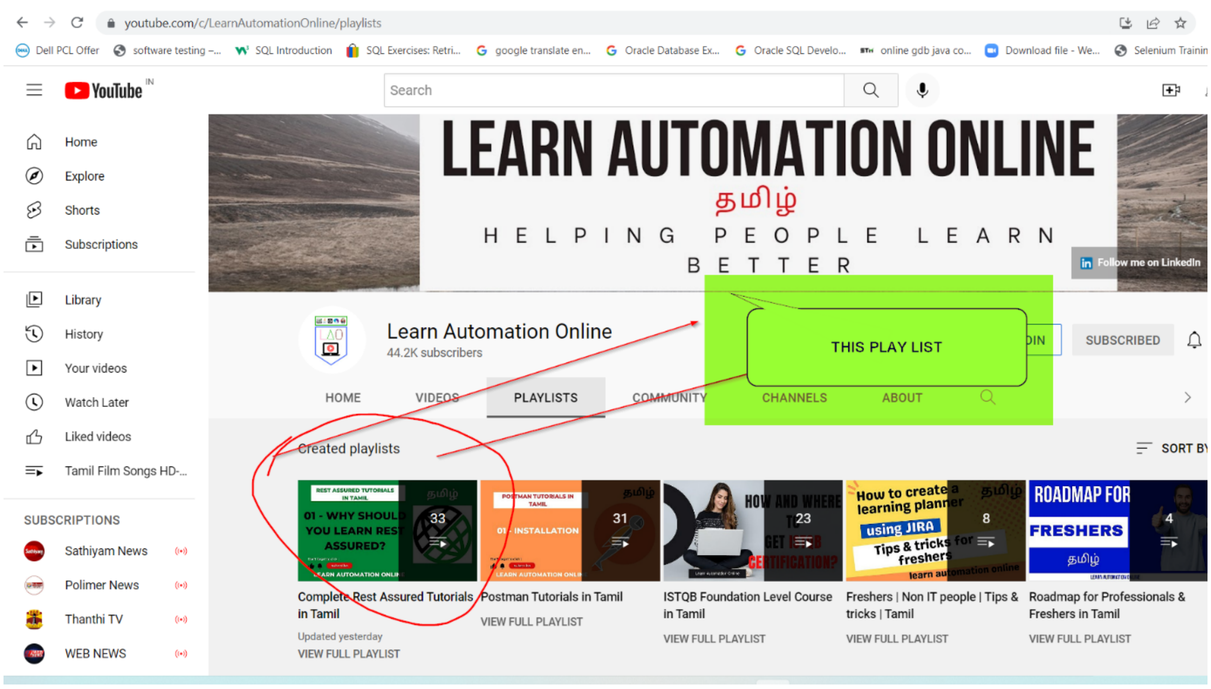


```
Sebastians-MBP:customer-server sebastianeschweiler$ json-server --watch db.json

  \{^_^}/ hi!

  Loading db.json
  Done

  Resources
  http://localhost:3000/employees

  Home
  http://localhost:3000

  Type s + enter at any time to create a snapshot of the database
  Watching...
```



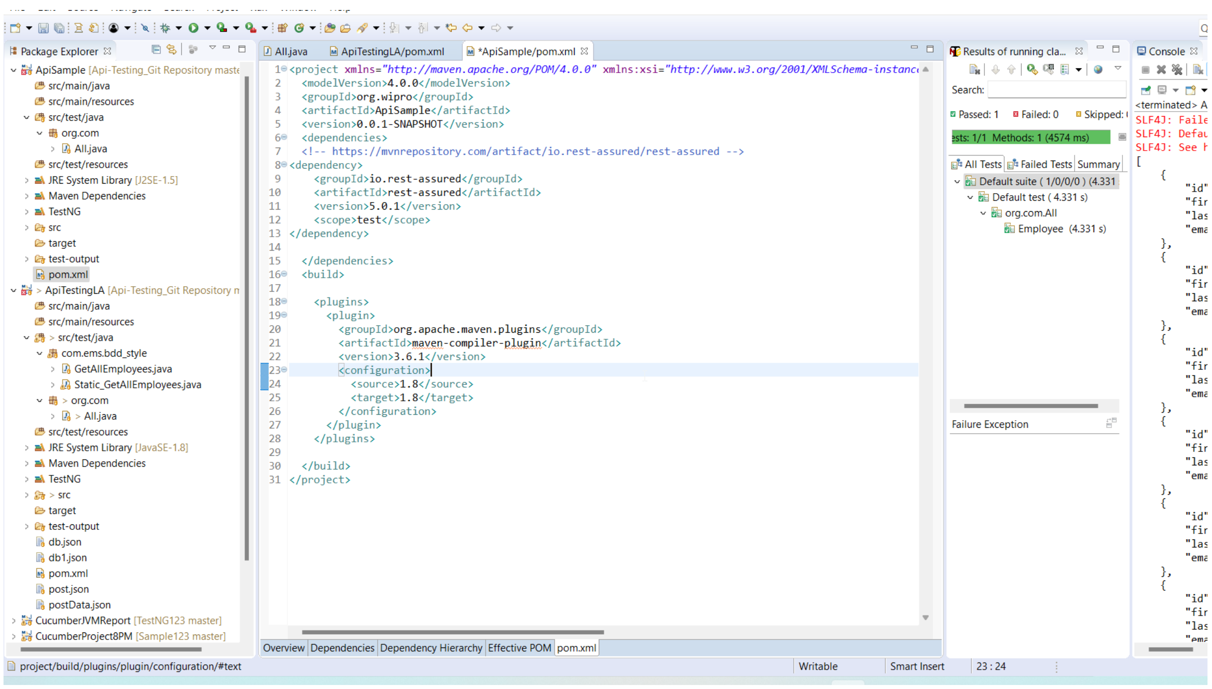
```
C:\Windows\system32\cmd.exe - "node"  "C:\Users\navee\AppData\Roaming\npm\\node_modules\json-server\lib\cli\bin.js" --watch db.json
Microsoft Windows [Version 10.0.22000.856]
(c) Microsoft Corporation. All rights reserved.

C:\Users\navee>json-server --watch db.json

  \{^_^}/ hi!

  Loading db.json
  Done

  Resources
  http://localhost:3000/employees

  Home
  http://localhost:3000

  Type s + enter at any time to create a snapshot of the database
  Watching...

GET /__rules 404 3.213 ms - 2
GET /db 200 143.885 ms - -
GET /employees 304 22.324 ms - -
GET /employees 200 26.335 ms - -
Error: Insert failed, duplicate id
    at Function.insert (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\lodash-id\src\index.js:49:18)
    at C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\lodash\lodash.js:4430:28
    at arrayReduce (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\lodash\lodash.js:697:21)
    at baseWrapperValue (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\lodash\lodash.js:4429:14)
    at LodashWrapper.wrapperValue (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\lodash\lodash.js:9114:14)
    at create (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\lib\server\router\plural.js:239:48)
    at Layer.handle [as handle_request] (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\express\lib\router\layer.js:95:5)
    at next (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\express\lib\router\route.js:144:13)
    at next (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\express\lib\router\route.js:138:14)
    at Route.dispatch (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\express\lib\router\route.js:114:3)
POST /employees 500 337.880 ms - -
POST /employees 201 15.177 ms - 108
PUT /employees/1 404 71.523 ms - 2
SyntaxError: Unexpected number in JSON at position 14
    at JSON.parse (<anonymous>)
    at parse (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\body-parser\lib\types\json.js:89:19)
    at C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\body-parser\lib\read.js:128:18
    at AsyncResource.runInAsyncScope (node:async_hooks:203:9)
    at invokeCallback (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\raw-body\index.js:231:16)
    at done (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\raw-body\index.js:220:7)
    at IncomingMessage.onEnd (C:\Users\navee\AppData\Roaming\npm\node_modules\json-server\node_modules\raw-body\index.js:280:7)
    at IncomingMessage.emit (node:events:525:35)
    at endReadableNT (node:internal/streams/readable:1358:12)
    at processTicksAndRejections (node:internal/process/task_queues:83:21)
PUT /employees/1 400 27.105 ms - -
```

84°F
Mostly clear
ENG IN
22:09
02-09-2022


youtube.com/c/LearnAutomationOnline/playlists
LEARN AUTOMATION ONLINE
தமிழ்
HELPING PEOPLE LEARN BETTER
Learn Automation Online
44.2K subscribers
THIS PLAY LIST
SUBSCRIBED
HOME
VIDEOS
PLAYLISTS
COMMUNITY
CHANNELS
ABOUT
Created playlists
SORT BY
Complete Rest Assured Tutorials in Tamil
Updated yesterday
VIEW FULL PLAYLIST
Postman Tutorials in Tamil
ISTQB Foundation Level Course in Tamil
Freshers | Non IT people | Tips & tricks | Tamil
Roadmap for Professionals & Freshers in Tamil

DEPENDENCIES:

```xml
<dependencies>
  <!-- https://mvnrepository.com/artifact/io.rest-assured/rest-assured -->
<dependency>
    <groupId>io.rest-assured</groupId>
    <artifactId>rest-assured</artifactId>
    <version>5.0.1</version>
    <scope>test</scope>
</dependency>

  </dependencies>
  <build>

    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.6.1</version>
        <configuration>
          <source>1.8</source>
          <target>1.8</target>
        </configuration>
      </plugin>
    </plugins>

  </build>
```



Package Explorer
```
ApiSample [Api-Testing_Git Repository maste
  src/main/java
  src/main/resources
  src/test/java
    org.com
      All.java
  src/test/resources
  JRE System Library [J2SE-1.5]
  Maven Dependencies
  TestNG
  src
  target
  test-output
  pom.xml
> ApiTestingLA [Api-Testing_Git Repository m
  src/main/java
  src/main/resources
  > src/test/java
    com.ems.bdd_style
      GetAllEmployees.java
      Static_GetAllEmployees.java
    > org.com
      > All.java
  src/test/resources
  JRE System Library [JavaSE-1.8]
  Maven Dependencies
  TestNG
  > src
  target
  test-output
  db.json
  db1.json
  pom.xml
  post.json
  postData.json
CucumberJVMReport [TestNG123 master]
CucumberProject8PM [Sample123 master]
```

All.java | ApiTestingLA/pom.xml | *ApiSample/pom.xml

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instanc
  <modelVersion>4.0.0</modelVersion>
  <groupId>org.wipro</groupId>
  <artifactId>ApiSample</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
  <!-- https://mvnrepository.com/artifact/io.rest-assured/rest-assured -->
<dependency>
    <groupId>io.rest-assured</groupId>
    <artifactId>rest-assured</artifactId>
    <version>5.0.1</version>
    <scope>test</scope>
</dependency>

  </dependencies>
  <build>

    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.6.1</version>
        <configuration>
          <source>1.8</source>
          <target>1.8</target>
        </configuration>
      </plugin>
    </plugins>

  </build>
</project>
```

Overview | Dependencies | Dependency Hierarchy | Effective POM | pom.xml

Results of running cla...

Search:

Passed: 1   Failed: 0   Skipped:

ests: 1/1 Methods: 1 (4574 ms)

All Tests | Failed Tests | Summary

```
Default suite ( 1/0/0/0 ) (4.331
  Default test ( 4.331 s)
    org.com.All
      Employee  (4.331 s)
```

Failure Exception

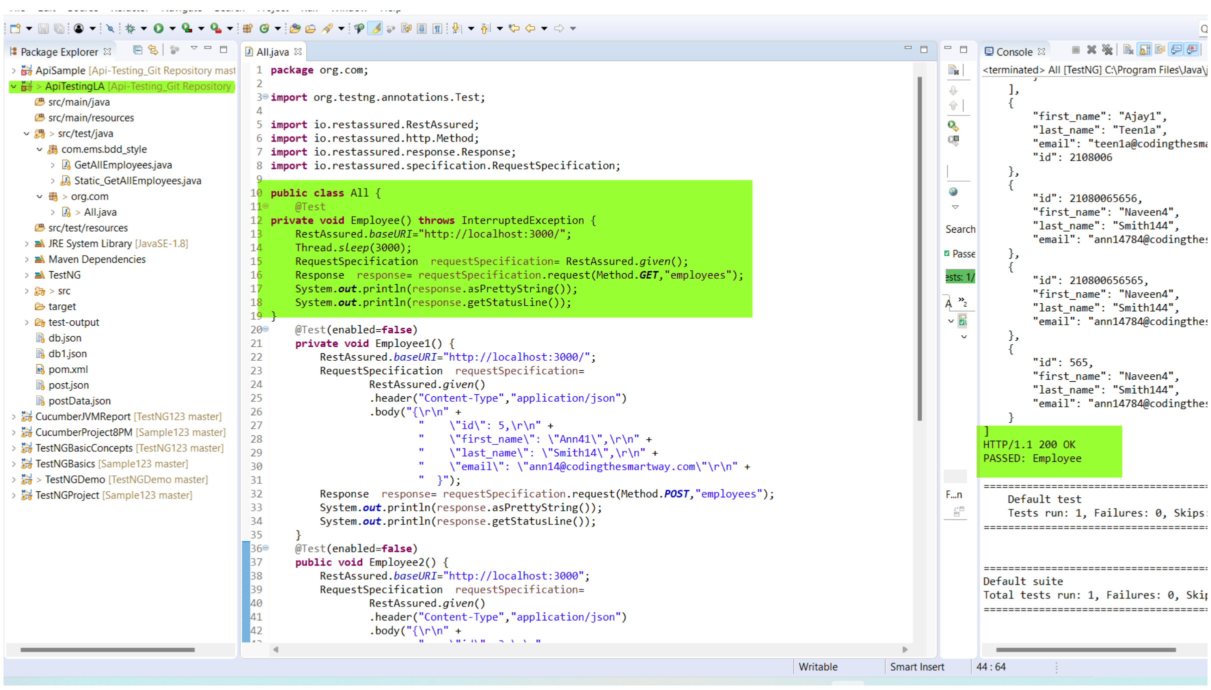
Console

```
<terminated> A
SLF4J: Faile
SLF4J: Defau
SLF4J: See h
[
    {
        "id"
        "fir
        "las
        "ema
    },
    {
        "id"
        "fir
        "las
        "ema
    },
    {
        "id"
        "fir
        "las
        "ema
    },
    {
        "id"
        "fir
        "las
        "ema
    },
    {
        "id"
        "fir
        "las
        "ema
    },
    {
        "id"
        "fir
        "las
        "ema
```

project/build/plugins/plugin/configuration/#text   Writable   Smart Insert   23 : 24

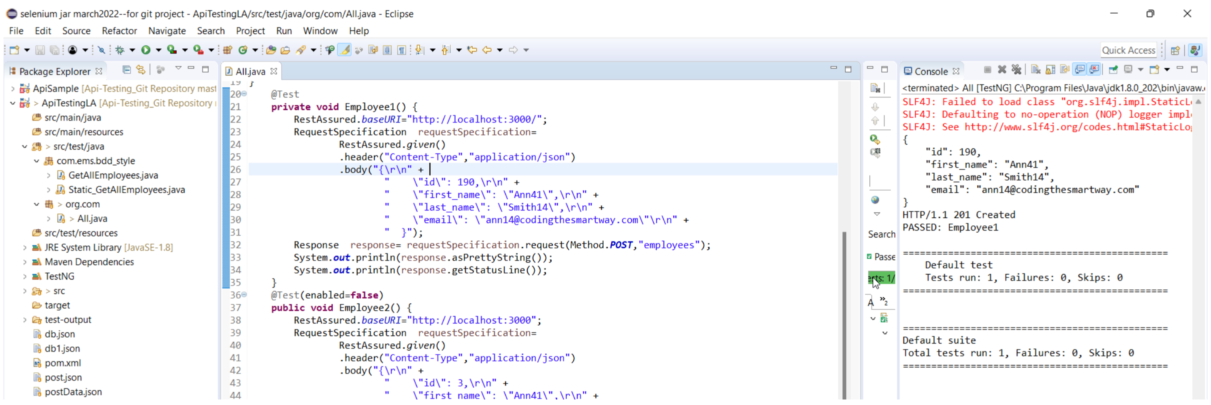
```
package org.com;

import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.http.Method;
import io.restassured.response.Response;
import io.restassured.specification.RequestSpecification;

public class All {
        @Test
private void Employee() throws InterruptedException {
        RestAssured.baseURI="http://localhost:3000/";
        Thread.sleep(3000);
        RequestSpecification  requestSpecification= RestAssured.given();
        Response  response= requestSpecification.request(Method.GET, "employees");
        System.out.println(response.asPrettyString());
        System.out.println(response.getStatusLine());
}
        @Test(enabled=false)
        private void Employee1() {
                RestAssured.baseURI="http://localhost:3000/";
                RequestSpecification  requestSpecification=
                                RestAssured.given()
                                .header("Content-Type", "application/json")
                                .body("{\r\n" +
                                                "       \"id\": 5,\r\n"+
                                                "      \"first_name\": \"Ann41\",\r\n" +
                                                "      \"last_name\": \"Smith14\",\r\n" +
                                                "       \"email\":
\"ann14@codingthesmartway.com\"\r\n" +
                                                "    }");
                Response  response= requestSpecification.request(Method.POST,
"employees");
                System.out.println(response.asPrettyString());
                System.out.println(response.getStatusLine());
```

```
	}
	@Test(enabled=false)
	public void Employee2() {
		RestAssured.baseURI="http://localhost:3000";
		RequestSpecification requestSpecification=
				RestAssured.given()
				.header("Content-Type", "application/json")
				.body("{\r\n" +
							"    \"id\": 3,\r\n"+
							"    \"first_name\": \"Ann41\",\r\n" +
							"    \"last_name\": \"Smith14\",\r\n" +
							"    \"email\":
\"ann14@codingthesmartway.com\"\r\n" +
							"  }");
		Response response= requestSpecification.request(Method.PUT,
"/employees/1");
		System.out.println(response.asPrettyString());
		System.out.println(response.getStatusLine());

	}
	@Test(enabled=false)
	public void deleteAnEmployee() {
		RestAssured.baseURI="http://localhost:3000/";
		RequestSpecification requestSpecification= RestAssured.given();
		Response response= requestSpecification.request(Method.DELETE,
"employees/1");
		System.out.println(response.asPrettyString());
	}
	@Test(enabled=false)
	public void getAnEmployee() {
		RestAssured.baseURI="http://localhost:3000/";
		RequestSpecification requestSpecification= RestAssured.given();
		Response response= requestSpecification.request(Method.GET,
"employees/5");
		System.out.println(response.asPrettyString());
	}
}
```



```java
package org.com;

import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.http.Method;
import io.restassured.response.Response;
import io.restassured.specification.RequestSpecification;

public class All {
	@Test
private void Employee() throws InterruptedException {
	RestAssured.baseURI="http://localhost:3000/";
	Thread.sleep(3000);
	RequestSpecification  requestSpecification= RestAssured.given();
	Response  response= requestSpecification.request(Method.GET,"employees");
	System.out.println(response.asPrettyString());
	System.out.println(response.getStatusLine());
}
	@Test(enabled=false)
	private void Employee1() {
		RestAssured.baseURI="http://localhost:3000/";
		RequestSpecification  requestSpecification=
				RestAssured.given()
				.header("Content-Type","application/json")
				.body("{\r\n" +
						"    \"id\": 5,\r\n" +
						"    \"first_name\": \"Ann41\",\r\n" +
						"    \"last_name\": \"Smith14\",\r\n" +
						"    \"email\": \"ann14@codingthesmartway.com\"\r\n" +
						"  }");
		Response  response= requestSpecification.request(Method.POST,"employees");
		System.out.println(response.asPrettyString());
		System.out.println(response.getStatusLine());
	}
	@Test(enabled=false)
	public void Employee2() {
		RestAssured.baseURI="http://localhost:3000";
		RequestSpecification  requestSpecification=
				RestAssured.given()
				.header("Content-Type","application/json")
				.body("{\r\n" +
```

```
<terminated> All [TestNG] C:\Program Files\Java\
    ],
    {
        "first_name": "Ajay1",
        "last_name": "Teen1a",
        "email": "teen1a@codingthesma
        "id": 2108006
    },
    {
        "id": 21080065656,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthes
    },
    {
        "id": 210800656565,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthes
    },
    {
        "id": 565,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthes
    }
]
HTTP/1.1 200 OK
PASSED: Employee

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skip
===============================================
```



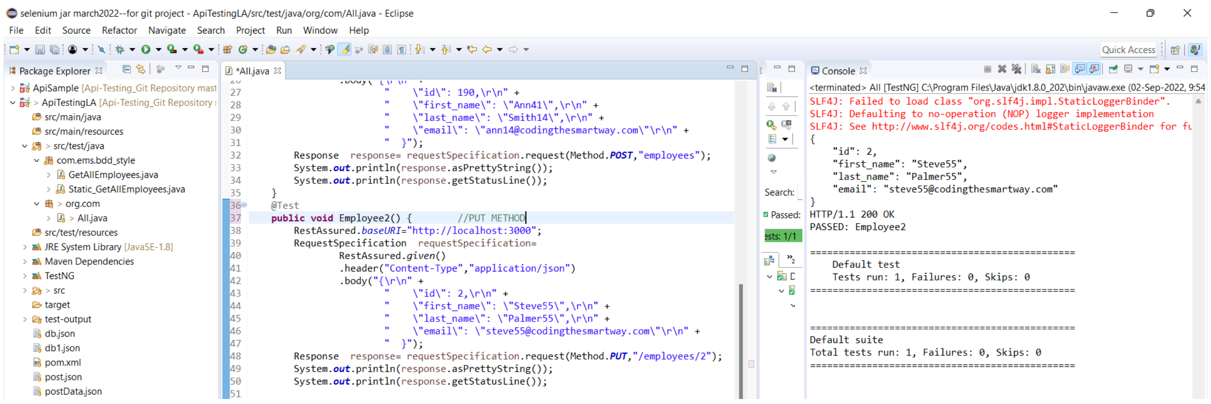
selenium jar march2022--for git project - ApiTestingLA/src/test/java/org/com/All.java - Eclipse

```java
	@Test
	private void Employee1() {
		RestAssured.baseURI="http://localhost:3000/";
		RequestSpecification  requestSpecification=
				RestAssured.given()
				.header("Content-Type","application/json")
				.body("{\r\n" +
						"    \"id\": 190,\r\n" +
						"    \"first_name\": \"Ann41\",\r\n" +
						"    \"last_name\": \"Smith14\",\r\n" +
						"    \"email\": \"ann14@codingthesmartway.com\"\r\n" +
						"  }");
		Response  response= requestSpecification.request(Method.POST,"employees");
		System.out.println(response.asPrettyString());
		System.out.println(response.getStatusLine());
	}
	@Test(enabled=false)
	public void Employee2() {
		RestAssured.baseURI="http://localhost:3000";
		RequestSpecification  requestSpecification=
				RestAssured.given()
				.header("Content-Type","application/json")
				.body("{\r\n" +
						"    \"id\": 3,\r\n" +
						"    \"first_name\": \"Ann41\",\r\n" +
```

```
<terminated> All [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.
SLF4J: Failed to load class "org.slf4j.impl.StaticL
SLF4J: Defaulting to no-operation (NOP) logger impl
SLF4J: See http://www.slf4j.org/codes.html#StaticLo
{
    "id": 190,
    "first_name": "Ann41",
    "last_name": "Smith14",
    "email": "ann14@codingthesmartway.com"
}
HTTP/1.1 201 Created
PASSED: Employee1

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

PUT METHOD:

TO UPDATE THE VALUE

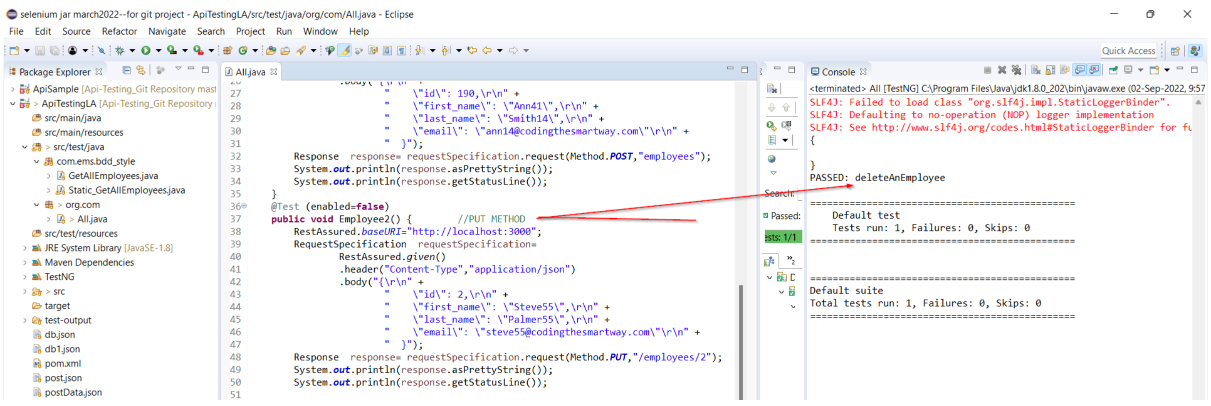


selenium jar march2022--for git project - ApiTestingLA/src/test/java/org/com/All.java - Eclipse

```java
						"    \"id\": 190,\r\n" +
						"    \"first_name\": \"Ann41\",\r\n" +
						"    \"last_name\": \"Smith14\",\r\n" +
						"    \"email\": \"ann14@codingthesmartway.com\"\r\n" +
						"  }");
		Response  response= requestSpecification.request(Method.POST,"employees");
		System.out.println(response.asPrettyString());
		System.out.println(response.getStatusLine());
	}
	@Test
	public void Employee2() {          //PUT METHOD
		RestAssured.baseURI="http://localhost:3000";
		RequestSpecification  requestSpecification=
				RestAssured.given()
				.header("Content-Type","application/json")
				.body("{\r\n" +
						"    \"id\": 2,\r\n" +
						"    \"first_name\": \"Steve55\",\r\n" +
						"    \"last_name\": \"Palmer55\",\r\n" +
						"    \"email\": \"steve55@codingthesmartway.com\"\r\n" +
						"  }");
		Response  response= requestSpecification.request(Method.PUT,"/employees/2");
		System.out.println(response.asPrettyString());
		System.out.println(response.getStatusLine());
```

```
<terminated> All [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (02-Sep-2022, 9:54
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
{
    "id": 2,
    "first_name": "Steve55",
    "last_name": "Palmer55",
    "email": "steve55@codingthesmartway.com"
}
HTTP/1.1 200 OK
PASSED: Employee2

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

DELETE:



selenium jar march2022--for git project - ApiTestingLA/src/test/java/org/com/All.java - Eclipse

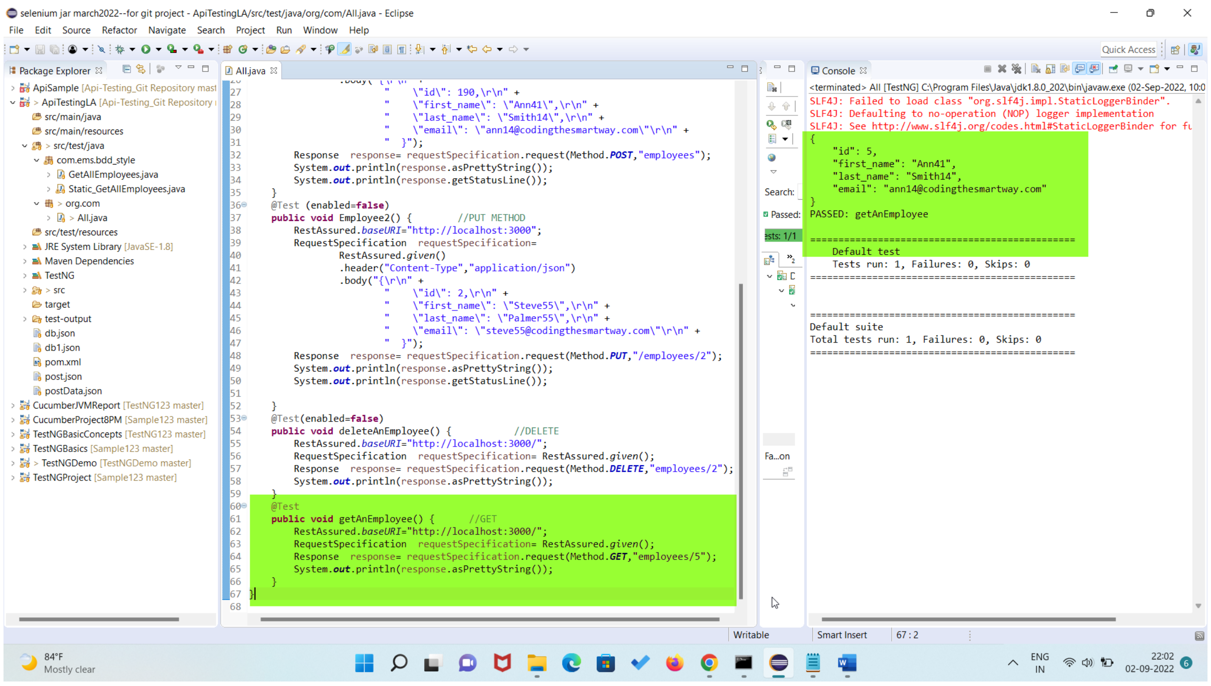
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Package Explorer
All.java
Console

```
ApiSample [Api-Testing_Git Repository mast
ApiTestingLA [Api-Testing_Git Repository
    src/main/java
    src/main/resources
    src/test/java
        com.ems.bdd_style
            GetAllEmployees.java
            Static_GetAllEmployees.java
        org.com
            All.java
    src/test/resources
    JRE System Library [JavaSE-1.8]
    Maven Dependencies
    TestNG
    src
    target
    test-output
    db.json
    db1.json
    pom.xml
    post.json
    postData.json
```

```java
                            "    \"id\": 190,\r\n" +
                            "    \"first_name\": \"Ann41\",\r\n" +
                            "    \"last_name\": \"Smith14\",\r\n" +
                            "    \"email\": \"ann14@codingthesmartway.com\"\r\n" +
                            "  }");
        Response  response= requestSpecification.request(Method.POST,"employees");
        System.out.println(response.asPrettyString());
        System.out.println(response.getStatusLine());
    }
    @Test (enabled=false)
    public void Employee2() {        //PUT METHOD
        RestAssured.baseURI="http://localhost:3000";
        RequestSpecification  requestSpecification=
                RestAssured.given()
                .header("Content-Type","application/json")
                .body("{\r\n" +
                            "    \"id\": 2,\r\n" +
                            "    \"first_name\": \"Steve55\",\r\n" +
                            "    \"last_name\": \"Palmer55\",\r\n" +
                            "    \"email\": \"steve55@codingthesmartway.com\"\r\n" +
                            "  }");
        Response  response= requestSpecification.request(Method.PUT,"/employees/2");
        System.out.println(response.asPrettyString());
        System.out.println(response.getStatusLine());
```

```
<terminated> All [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (02-Sep-2022, 9:57
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
{

}
PASSED: deleteAnEmployee

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

GET:



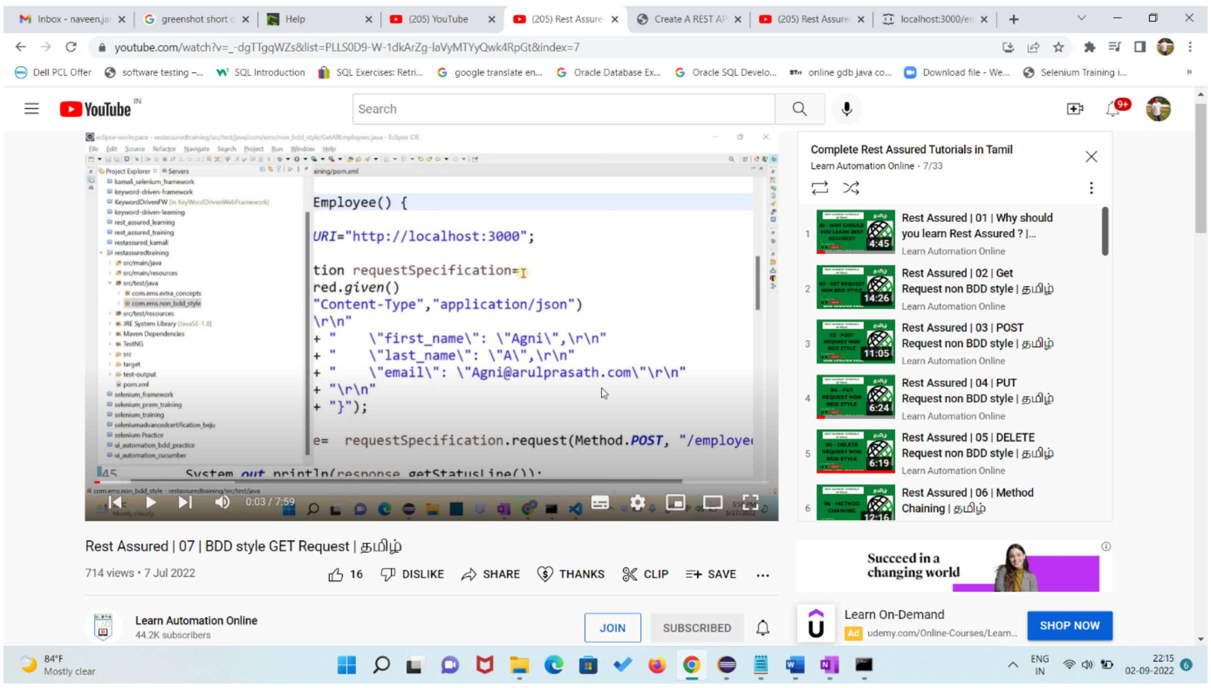
selenium jar march2022--for git project - ApiTestingLA/src/test/java/org/com/All.java - Eclipse

```java
                    "    \"id\": 190,\r\n" +
                    "    \"first_name\": \"Ann41\",\r\n" +
                    "    \"last_name\": \"Smith14\",\r\n" +
                    "    \"email\": \"ann14@codingthesmartway.com\"\r\n" +
                    "  }");
        Response  response= requestSpecification.request(Method.POST,"employees");
        System.out.println(response.asPrettyString());
        System.out.println(response.getStatusLine());
    }
    @Test (enabled=false)
    public void Employee2() {        //PUT METHOD
        RestAssured.baseURI="http://localhost:3000";
        RequestSpecification  requestSpecification=
                RestAssured.given()
                .header("Content-Type","application/json")
                .body("{\r\n" +
                    "    \"id\": 2,\r\n" +
                    "    \"first_name\": \"Steve55\",\r\n" +
                    "    \"last_name\": \"Palmer55\",\r\n" +
                    "    \"email\": \"steve55@codingthesmartway.com\"\r\n" +
                    "  }");
        Response  response= requestSpecification.request(Method.PUT,"/employees/2");
        System.out.println(response.asPrettyString());
        System.out.println(response.getStatusLine());

    }
    @Test(enabled=false)
    public void deleteAnEmployee() {           //DELETE
        RestAssured.baseURI="http://localhost:3000/";
        RequestSpecification  requestSpecification= RestAssured.given();
        Response  response= requestSpecification.request(Method.DELETE,"employees/2");
        System.out.println(response.asPrettyString());
    }
    @Test
    public void getAnEmployee() {      //GET
        RestAssured.baseURI="http://localhost:3000/";
        RequestSpecification  requestSpecification= RestAssured.given();
        Response  response= requestSpecification.request(Method.GET,"employees/5");
        System.out.println(response.asPrettyString());
    }
}
```

```
<terminated> All [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (02-Sep-2022, 10:0
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
{
    "id": 5,
    "first_name": "Ann41",
    "last_name": "Smith14",
    "email": "ann14@codingthesmartway.com"
}
PASSED: getAnEmployee

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

BDD STYLE-METHOD CHAINING:'

Rest Assured | 07 | BDD style GET Request |



```
Employee() {

URI="http://localhost:3000";

tion requestSpecification=
red.given()
"Content-Type","application/json")
\r\n"
+ "    \"first_name\": \"Agni\",\r\n"
+ "    \"last_name\": \"A\",\r\n"
+ "    \"email\": \"Agni@arulprasath.com\"\r\n"
+ "\r\n"
+ "}");

e=  requestSpecification.request(Method.POST, "/employe
```

Rest Assured | 07 | BDD style GET Request | தமிழ்

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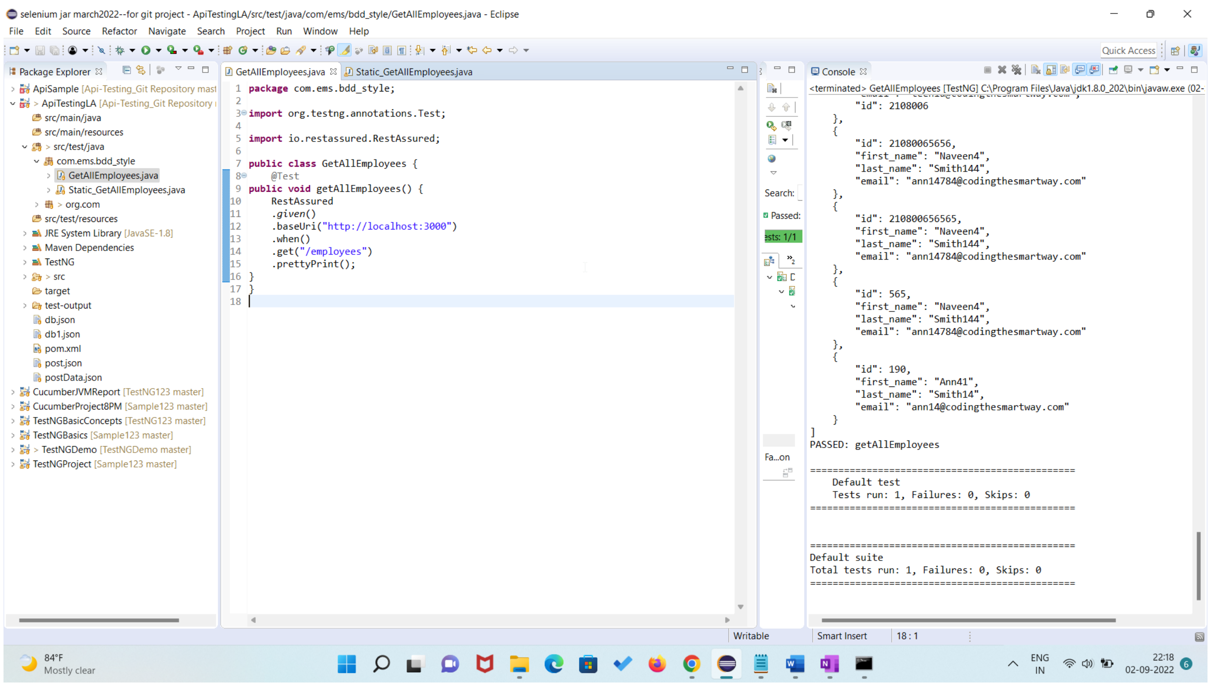
1 Rest Assured | 01 | Why should you learn Rest Assured ? |... Learn Automation Online 4:45
2 Rest Assured | 02 | Get Request non BDD style | தமிழ் Learn Automation Online 14:26
3 Rest Assured | 03 | POST Request non BDD style | தமிழ் Learn Automation Online 11:05
4 Rest Assured | 04 | PUT Request non BDD style | தமிழ் Learn Automation Online 6:24
5 Rest Assured | 05 | DELETE Request non BDD style | தமிழ் Learn Automation Online 6:19
6 Rest Assured | 06 | Method Chaining | தமிழ் 12:16

```java
package com.ems.bdd_style;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class GetAllEmployees {
        @Test
public void getAllEmployees() {
        RestAssured
        .given()
        .baseUri("http://localhost:3000")
        .when()
        .get("/employees")
        .prettyPrint();
}
}
```



```java
package com.ems.bdd_style;

import org.testng.annotations.Test;

import io.restassured.RestAssured;

public class GetAllEmployees {
    @Test
public void getAllEmployees() {
    RestAssured
    .given()
    .baseUri("http://localhost:3000")
    .when()
    .get("/employees")
    .prettyPrint();
}
}
```

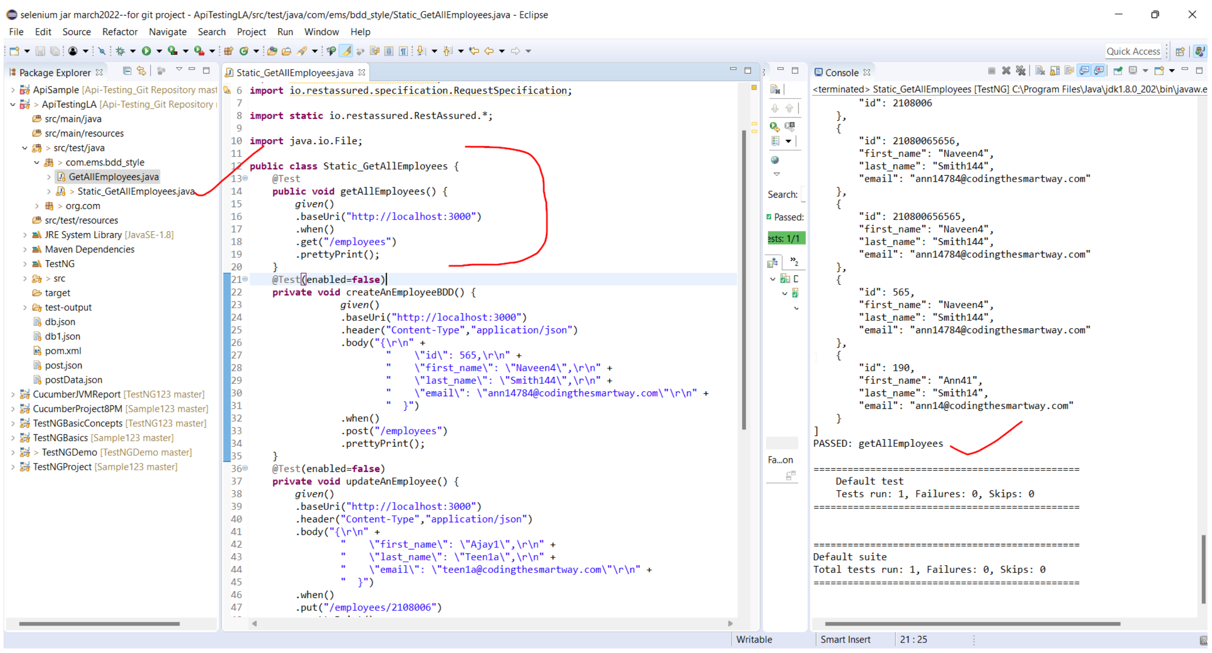
```
<terminated> GetAllEmployees [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (02-
        "id": 2108006
    },
    {
        "id": 21080065656,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthesmartway.com"
    },
    {
        "id": 210800656565,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthesmartway.com"
    },
    {
        "id": 565,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthesmartway.com"
    },
    {
        "id": 190,
        "first_name": "Ann41",
        "last_name": "Smith14",
        "email": "ann14@codingthesmartway.com"
    }
]
PASSED: getAllEmployees

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

==========

```java
package com.ems.bdd_style;

import org.testng.annotations.Test;

import io.restassured.RestAssured;
import io.restassured.specification.RequestSpecification;

import static io.restassured.RestAssured.*;

import java.io.File;

public class Static_GetAllEmployees {
	@Test(enabled=false)
	public void getAllEmployees() {
		given()
		.baseUri("http://localhost:3000")
		.when()
		.get("/employees")
		.prettyPrint();
	}
	@Test
	private void createAnEmployeeBDD() {
			given()
			.baseUri("http://localhost:3000")
			   .header("Content-Type", "application/json")
```

```
                        .body("{\r\n" +
                                "     \"id\":  565,\r\n"+
                                "     \"first_name\":  \"Naveen4\",\r\n" +
                                "     \"last_name\":  \"Smith144\",\r\n" +
                                "     \"email\":
\"ann14784@codingthesmartway.com\"\r\n" +
                                "   }")
                        .when()
                        .post("/employees")
                        .prettyPrint();
        }
        @Test(enabled=false)
        private void updateAnEmployee() {
                given()
              .baseUri("http://localhost:3000")
                .header("Content-Type", "application/json")
                .body("{\r\n" +
                        "     \"first_name\":  \"Ajay1\",\r\n" +
                        "     \"last_name\":  \"Teen1a\",\r\n" +
                        "     \"email\":  \"teen1a@codingthesmartway.com\"\r\n" +
                        "   }")
                .when()
                .put("/employees/2108006")
                .prettyPrint();
        }
        @Test(enabled=false)
        public void deleteAlnEmployees() {
                given()
                .baseUri("http://localhost:3000")
                .when()
                .delete("/employees/2108006")
                .prettyPrint();
        }
        @Test(enabled=false)
        private void createEmployeeFromJson() {
                File jsonFile=new   File("db1.json");
                given()
              .baseUri("http://localhost:3000")
                .header("Content-Type", "application/json")
                .body(jsonFile)
                .when()
                .post("/employees")
                .prettyPrint();

        }

}
```

GET:

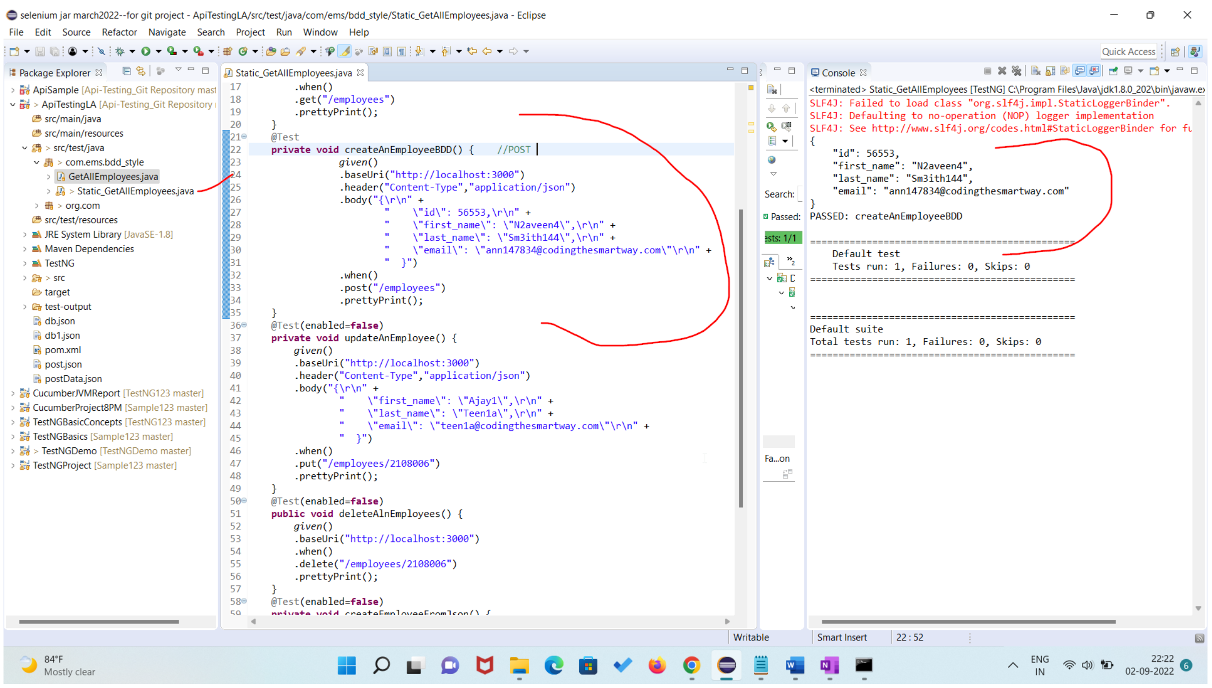


selenium jar march2022--for git project - ApiTestingLA/src/test/java/com/ems/bdd_style/Static_GetAllEmployees.java - Eclipse

```java
import io.restassured.specification.RequestSpecification;

import static io.restassured.RestAssured.*;

import java.io.File;

public class Static_GetAllEmployees {
    @Test
    public void getAllEmployees() {
        given()
        .baseUri("http://localhost:3000")
        .when()
        .get("/employees")
        .prettyPrint();
    }
    @Test(enabled=false)
    private void createAnEmployeeBDD() {
            given()
            .baseUri("http://localhost:3000")
            .header("Content-Type","application/json")
            .body("{\r\n" +
                    "    \"id\": 565,\r\n" +
                    "    \"first_name\": \"Naveen4\",\r\n" +
                    "    \"last_name\": \"Smith144\",\r\n" +
                    "    \"email\": \"ann14784@codingthesmartway.com\"\r\n" +
                    "  }")
            .when()
            .post("/employees")
            .prettyPrint();
    }
    @Test(enabled=false)
    private void updateAnEmployee() {
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body("{\r\n" +
                "    \"first_name\": \"Ajay1\",\r\n" +
                "    \"last_name\": \"Teen1a\",\r\n" +
                "    \"email\": \"teen1a@codingthesmartway.com\"\r\n" +
                "  }")
        .when()
        .put("/employees/2108006")
```

```
<terminated> Static_GetAllEmployees [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.e
        "id": 2108006
    },
    {
        "id": 21080065656,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthesmartway.com"
    },
    {
        "id": 210800656565,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthesmartway.com"
    },
    {
        "id": 565,
        "first_name": "Naveen4",
        "last_name": "Smith144",
        "email": "ann14784@codingthesmartway.com"
    },
    {
        "id": 190,
        "first_name": "Ann41",
        "last_name": "Smith14",
        "email": "ann14@codingthesmartway.com"
    }
]
PASSED: getAllEmployees

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

POST:

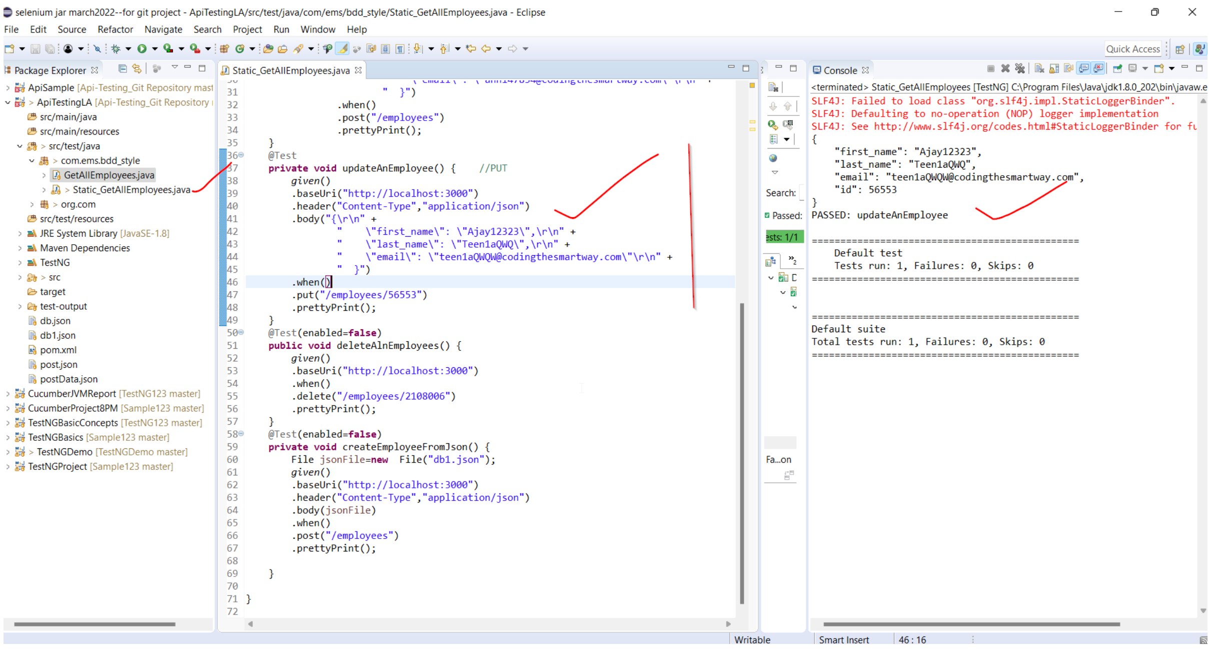


selenium jar march2022--for git project - ApiTestingLA/src/test/java/com/ems/bdd_style/Static_GetAllEmployees.java - Eclipse

```java
        .when()
        .get("/employees")
        .prettyPrint();
    }
    @Test
    private void createAnEmployeeBDD() {    //POST
            given()
            .baseUri("http://localhost:3000")
            .header("Content-Type","application/json")
            .body("{\r\n" +
                    "    \"id\": 56553,\r\n" +
                    "    \"first_name\": \"N2aveen4\",\r\n" +
                    "    \"last_name\": \"Sm3ith144\",\r\n" +
                    "    \"email\": \"ann147834@codingthesmartway.com\"\r\n" +
                    "  }")
            .when()
            .post("/employees")
            .prettyPrint();
    }
    @Test(enabled=false)
    private void updateAnEmployee() {
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body("{\r\n" +
                "    \"first_name\": \"Ajay1\",\r\n" +
                "    \"last_name\": \"Teen1a\",\r\n" +
                "    \"email\": \"teen1a@codingthesmartway.com\"\r\n" +
                "  }")
        .when()
        .put("/employees/2108006")
        .prettyPrint();
    }
    @Test(enabled=false)
    public void deleteAlnEmployees() {
        given()
        .baseUri("http://localhost:3000")
        .when()
        .delete("/employees/2108006")
        .prettyPrint();
    }
    @Test(enabled=false)
```

```
<terminated> Static_GetAllEmployees [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.ex
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
{
    "id": 56553,
    "first_name": "N2aveen4",
    "last_name": "Sm3ith144",
    "email": "ann147834@codingthesmartway.com"
}
PASSED: createAnEmployeeBDD

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

PUT:

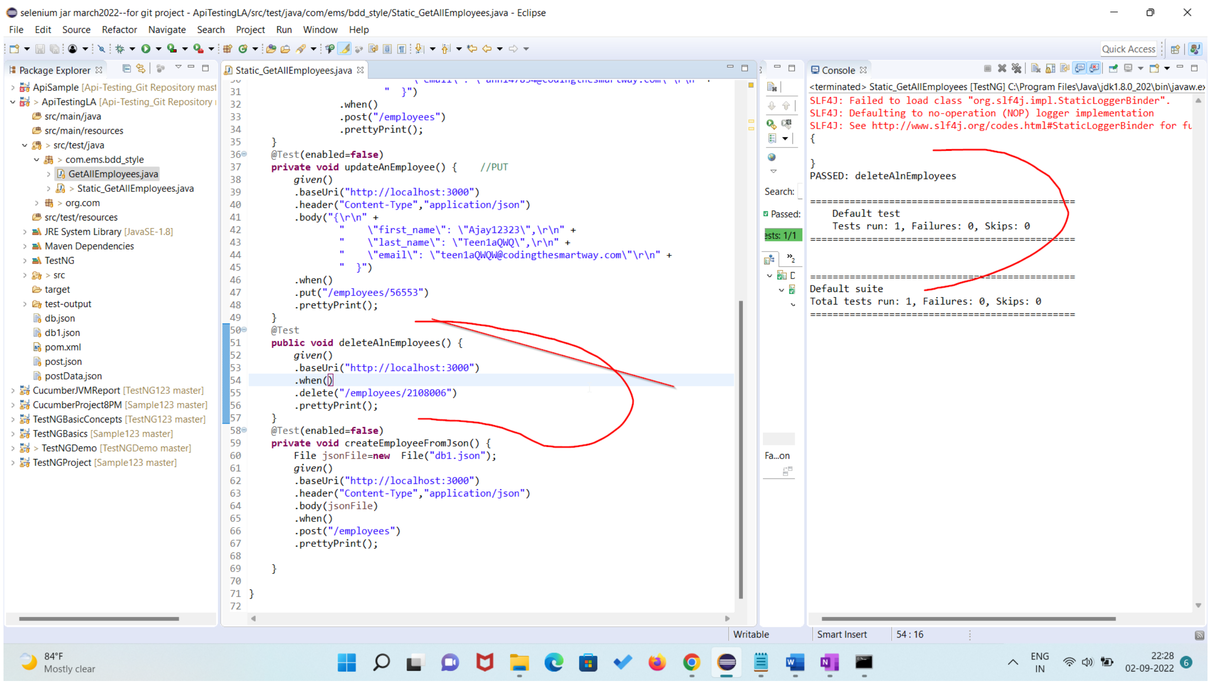


selenium jar march2022--for git project - ApiTestingLA/src/test/java/com/ems/bdd_style/Static_GetAllEmployees.java - Eclipse

```java
                    "  }")
                .when()
                .post("/employees")
                .prettyPrint();
    }
    @Test
    private void updateAnEmployee() {    //PUT
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body("{\r\n" +
                "    \"first_name\": \"Ajay12323\",\r\n" +
                "    \"last_name\": \"Teen1aQWQ\",\r\n" +
                "    \"email\": \"teen1aQWQW@codingthesmartway.com\"\r\n" +
                "  }")
        .when()
        .put("/employees/56553")
        .prettyPrint();
    }
    @Test(enabled=false)
    public void deleteAlnEmployees() {
        given()
        .baseUri("http://localhost:3000")
        .when()
        .delete("/employees/2108006")
        .prettyPrint();
    }
    @Test(enabled=false)
    private void createEmployeeFromJson() {
        File jsonFile=new  File("db1.json");
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body(jsonFile)
        .when()
        .post("/employees")
        .prettyPrint();

    }

}
```

```
<terminated> Static_GetAllEmployees [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.e
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
{
    "first_name": "Ajay12323",
    "last_name": "Teen1aQWQ",
    "email": "teen1aQWQW@codingthesmartway.com",
    "id": 56553
}
PASSED: updateAnEmployee

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

DELETE:



selenium jar march2022--for git project - ApiTestingLA/src/test/java/com/ems/bdd_style/Static_GetAllEmployees.java - Eclipse

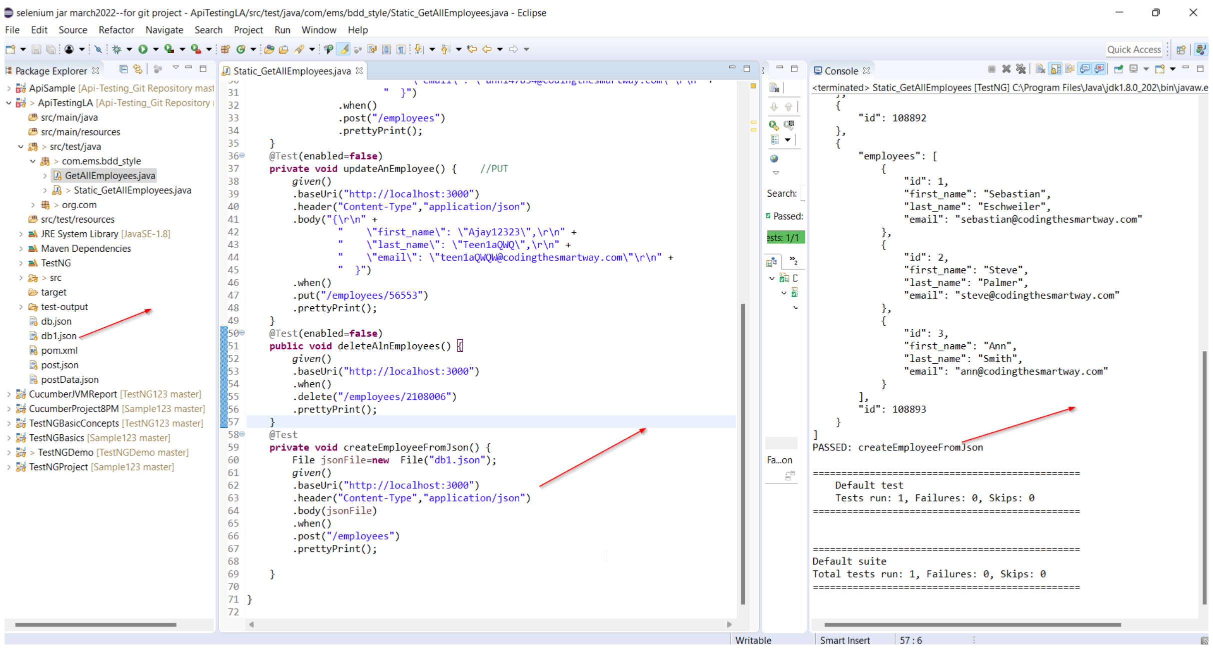
```java
                    "  }")
                .when()
                .post("/employees")
                .prettyPrint();
    }
    @Test(enabled=false)
    private void updateAnEmployee() {    //PUT
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body("{\r\n" +
                "    \"first_name\": \"Ajay12323\",\r\n" +
                "    \"last_name\": \"Teen1aQWQ\",\r\n" +
                "    \"email\": \"teen1aQWQW@codingthesmartway.com\"\r\n" +
                "  }")
        .when()
        .put("/employees/56553")
        .prettyPrint();
    }
    @Test
    public void deleteAlnEmployees() {
        given()
        .baseUri("http://localhost:3000")
        .when()
        .delete("/employees/2108006")
        .prettyPrint();
    }
    @Test(enabled=false)
    private void createEmployeeFromJson() {
        File jsonFile=new  File("db1.json");
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body(jsonFile)
        .when()
        .post("/employees")
        .prettyPrint();

    }

}
```

```
<terminated> Static_GetAllEmployees [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.ex
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for fu
{
}
PASSED: deleteAlnEmployees

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

84°F
Mostly clear

22:28
02-09-2022

Sending data from json file:


selenium jar march2022--for git project - ApiTestingLA/src/test/java/com/ems/bdd_style/Static_GetAllEmployees.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Quick Access
Package Explorer
ApiSample [Api-Testing_Git Repository mast
ApiTestingLA [Api-Testing_Git Repository
src/main/java
src/main/resources
src/test/java
com.ems.bdd_style
GetAllEmployees.java
Static_GetAllEmployees.java
org.com
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
TestNG
src
target
test-output
db.json
db1.json
pom.xml
post.json
postData.json
CucumberJVMReport [TestNG123 master]
CucumberProject8PM [Sample123 master]
TestNGBasicConcepts [TestNG123 master]
TestNGBasics [Sample123 master]
TestNGDemo [TestNGDemo master]
TestNGProject [Sample123 master]
Static_GetAllEmployees.java
Search:
Passed:
sts: 1/1
Fa...on
Console
Writable
Smart Insert
57 : 6

```java
                    "  }")
            .when()
            .post("/employees")
            .prettyPrint();
    }
    @Test(enabled=false)
    private void updateAnEmployee() {    //PUT
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body("{\r\n" +
                "    \"first_name\": \"Ajay12323\",\r\n" +
                "    \"last_name\": \"Teen1aQWQ\",\r\n" +
                "    \"email\": \"teen1aQWQW@codingthesmartway.com\"\r\n" +
                "  }")
        .when()
        .put("/employees/56553")
        .prettyPrint();
    }
    @Test(enabled=false)
    public void deleteAlnEmployees() {
        given()
        .baseUri("http://localhost:3000")
        .when()
        .delete("/employees/2108006")
        .prettyPrint();
    }
    @Test
    private void createEmployeeFromJson() {
        File jsonFile=new  File("db1.json");
        given()
        .baseUri("http://localhost:3000")
        .header("Content-Type","application/json")
        .body(jsonFile)
        .when()
        .post("/employees")
        .prettyPrint();

    }

}
```

```
<terminated> Static_GetAllEmployees [TestNG] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.e
    {
        "id": 108892
    },
    {
        "employees": [
            {
                "id": 1,
                "first_name": "Sebastian",
                "last_name": "Eschweiler",
                "email": "sebastian@codingthesmartway.com"
            },
            {
                "id": 2,
                "first_name": "Steve",
                "last_name": "Palmer",
                "email": "steve@codingthesmartway.com"
            },
            {
                "id": 3,
                "first_name": "Ann",
                "last_name": "Smith",
                "email": "ann@codingthesmartway.com"
            }
        ],
        "id": 108893
    }
]
PASSED: createEmployeeFromJson

===============================================
    Default test
    Tests run: 1, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 1, Failures: 0, Skips: 0
===============================================
```

===