

# Rest Assured (API Testing)

import io.restassured.RestAssured.\*

Syntax : Given().

Private API → auth().

authorization → preemptive().

basic("username", "pwd").

Parameters → Param("text", "origin").

Path parameter → pathParam("race", "Season").

.when().

GET Method → get("https://myblogbook.xyz/{race}").

then().

Assert Call → ~~on~~ assertThat().

GET body. → body("data.body.currentId", hasSize(1));

and().

body().

OAuth → OAuth2().

## Body

body("lotto.winners", hasItems(23, 25));  
——— equalTo(5));

body(xpath("/greeting/Name", containsString("Jo")));

body(matchesXsd(xsd));

body(matchesDtd(dtd));

## Content-Type

• Content Type (ContentType.JSON).

## JSON

```
JsonPath jsonPath = new JsonPath(json);  
jsonPath.setRootPath("lotto");
```

Spec  $\rightarrow$  To re-use the specification in Multiple Tests.

```
ResponseSpecification responseSpec = new ResponseSpec  
    Builder();  
responseSpec.expectStatusCode(200).build();
```

Q : To get list of all categories :

```
list <String> categories = new with(Object).get("category");
```

Q Get all books with price between 5 & 25.

```
list <Map> books = with(Object).get("/store/book.findAll {  
    book -> book.price >= 5 & b.price <= 25}");
```

Q To read data from Console

```
String name = System.console().readLine();
```