Rest Assured JSON Validation

Validating JSON responses using **Rest Assured** in Java is a core task for API testing. Here's a complete guide with **code examples** and **different types of validation**.

Setup

Add these dependencies in pom.xml for Maven:

Sample JSON Response

Assume the API returns:

```
json

{
    "id": 101,
    "name": "John",
    "email": "john@example.com",
    "roles": ["admin", "user"]
}
```

🔽 Basic JSON Validation

Validate Nested JSON

Assume response:

```
{
    "data": {
        "user": {
            "id": 101,
            "details": {
                 "name": "John",
                 "active": true
            }
        }
    }
}
```

Validation:

```
.body("data.user.id", equalTo(101))
.body("data.user.details.name", equalTo("John"))
.body("data.user.details.active", equalTo(true));
```

Extract Values & Validate Programmatically

```
Response response = given()
    .when()
    .get("/users/101");
int id = response.jsonPath().getInt("id");
String name = response.jsonPath().getString("name");
assert id == 101;
assert name.equals("John");
```

☑ Validate List/Array

Response:

```
json

{
    "users": [
          {"id": 1, "name": "A"},
          {"id": 2, "name": "B"}
    ]
}
```

Validation:



```
.body("users.size()", equalTo(2))
.body("users.name", hasItems("A", "B"))
.body("users[0].id", equalTo(1));
```

✓ Validate with JSON Schema

Add dependency:

Validation:

```
import static io.restassured.module.jsv.JsonSchemaValidator.*;
.body(matchesJsonSchemaInClasspath("user_schema.json"));
```

If you'd like, I can also give you a **mini-project or assignment** for JSON validation in Rest Assured. Would you like that?