Top 50 Rest Assured Interview Questions with Examples

## 1. What is Rest Assured?

Rest Assured is a Java library for testing REST APIs. It simplifies the process of testing REST services by providing a fluent interface and built-in assertions.

## 2. How do you perform a GET request in Rest Assured?

given()  
 .when()  
 .get("https://api.example.com/users")  
 .then()  
 .statusCode(200);

## 3. How to pass query parameters in Rest Assured?

given()  
 .queryParam("page", 2)  
 .when()  
 .get("https://api.example.com/users")  
 .then()  
 .statusCode(200);

## 4. How do you send a POST request with a JSON body?

String jsonBody = "{\"name\":\"John\",\"age\":30}";  
given()  
 .header("Content-Type", "application/json")  
 .body(jsonBody)  
 .when()  
 .post("https://api.example.com/users")  
 .then()  
 .statusCode(201);

## 5. How do you validate response body fields?

given()  
 .when()  
 .get("https://api.example.com/users/1")  
 .then()  
 .body("name", equalTo("John"));

## 6. How to extract a value from the response?

Response response = given().get("https://api.example.com/users/1");  
String name = response.path("name");

## 7. How to pass path parameters?

given()  
 .pathParam("userId", 1)  
 .when()  
 .get("https://api.example.com/users/{userId}")  
 .then()  
 .statusCode(200);

## 8. How to send headers in the request?

given()  
 .header("Authorization", "Bearer token")  
 .when()  
 .get("https://api.example.com/users")  
 .then()  
 .statusCode(200);

## 9. What is RequestSpecification and how to reuse it?

RequestSpecification req = given()  
 .baseUri("https://api.example.com")  
 .header("Authorization", "Bearer token");  
  
req.when().get("/users").then().statusCode(200);

## 10. What is ResponseSpecification?

ResponseSpecification resSpec = RestAssured.expect().statusCode(200);  
given().when().get("https://api.example.com/users").then().spec(resSpec);

## 11. How do you handle authentication in Rest Assured?

given()  
 .auth().basic("username", "password")  
 .when()  
 .get("/secure")  
 .then().statusCode(200);

## 12. How do you test response time?

given()  
 .when().get("https://api.example.com/users")  
 .then().time(lessThan(2000L));

## 13. How do you test JSON arrays?

given()  
 .when().get("/users")  
 .then().body("size()", greaterThan(0));

## 14. How to validate schema of a response?

.then().assertThat().body(matchesJsonSchemaInClasspath("schema.json"));

## 15. How do you send form parameters in POST request?

given()  
 .formParam("username", "john")  
 .formParam("password", "1234")  
 .post("/login")  
 .then().statusCode(200);

## 16. How do you upload a file?

given()  
 .multiPart("file", new File("test.txt"))  
 .when()  
 .post("/upload")  
 .then().statusCode(200);

## 17. How to use cookies in Rest Assured?

given().cookie("sessionId", "abc123").when().get("/dashboard").then().statusCode(200);

## 18. How to log requests and responses?

given().log().all().when().get("/users").then().log().all();

## 19. What is the difference between queryParam and pathParam?

queryParam adds data to the URL (?key=value), pathParam replaces path variable in the URL (/users/{id}).

## 20. How do you test status codes?

then().statusCode(200);

## 21. What is Serialization in Rest Assured?

Converting Java object to JSON using .body(object).

## 22. What is Deserialization in Rest Assured?

Converting JSON response to Java object using response.as(Class.class);

## 23. How to use POJO class with Rest Assured?

Create a class with private fields and getter/setters and use it for serialization/deserialization.

## 24. How to test error responses?

given().when().get("/invalid").then().statusCode(404);

## 25. How to send request with content-type XML?

given().contentType("application/xml").body(xmlData).post("/xmlendpoint");