Rest Assured Testing Interview Questions

# Fresher Level

1. What is REST Assured?

2. What are the advantages of using REST Assured for API testing?

3. How do you set up REST Assured in a Maven project?

4. What are the basic annotations used in REST Assured?

5. How do you validate the status code of a response?

# Intermediate Level

1. How do you pass parameters in a REST Assured request?

2. How do you handle authentication in REST Assured?

3. What is the use of RequestSpecification and ResponseSpecification?

4. How do you validate JSON and XML responses?

5. How do you send a POST request with a JSON payload?

# Experienced Level

1. How can you reuse request specifications across tests?

2. Explain how to integrate REST Assured with TestNG or JUnit.

3. How do you perform data-driven testing with REST Assured?

4. How do you handle dynamic response data in your tests?

5. What are some best practices for API test automation?

# Scenario-Based Questions

1. You receive a 500 Internal Server Error for a valid request. How would you debug it?

2. How would you test an API that requires OAuth 2.0 authentication?

3. You have to test an API that returns dynamic response fields. How would you validate them?

4. You need to run the same test case for multiple environments (dev, qa, prod). How would you handle this in REST Assured?

5. How would you test the performance of an API using REST Assured?

Scenario-Based Coding Interview Questions

## 1. Validate a Dynamic Response Field

You are testing an API endpoint that returns user details. The response includes a timestamp field that changes with every request. Write a REST Assured test to validate all other fields but ignore the timestamp field.

## 2. Verify Response Time for an API

Write a REST Assured test that ensures the response time of a GET request to '/api/users' is less than 2 seconds.

## 3. Handle OAuth 2.0 Authentication

Write a REST Assured test that authenticates using OAuth 2.0 and fetches a protected resource. Assume the token endpoint is '/oauth/token' and the protected resource is '/api/profile'.

## 4. Data-Driven Testing with JSON Payload

You are testing a user creation API. Write a REST Assured test that reads multiple sets of user data from a JSON file and validates the response for each set.

## 5. Validate Nested JSON Structure

Write a REST Assured test to validate specific fields inside a nested JSON response, such as user address within a 'location' object.