

Introduction to API Testing

Computer Science · Answer Key · 20 Questions

1. What is the primary practice of API testing?

A) Validating that APIs meet expectations for functionality, reliability, performance, and security.

- B) Writing code to build new API features.
- C) Designing the user interface for applications.
- D) Managing database connections.

2. Why is API testing essential in modern software development?

A) To ensure APIs meet expectations for functionality, reliability, performance, and security.

- B) To replace the need for manual user testing.
- C) To solely focus on the visual appearance of applications.
- D) To increase the complexity of the development process.

3. Who is NOT exclusively responsible for API testing?

- A) QA Engineers
- B) Developers
- C) Security Specialists

D) All of the above are involved in API testing.

4. What is a common goal for Developers when testing APIs?

A) Verify endpoints work correctly during development.

- B) Ensure the API contract is consistent.
- C) Integrate security checks into the deployment pipeline.
- D) Measure response times under load.

5. What type of testing do API Designers & Architects typically perform?

A) Reliability testing

- B) Functional testing
- C) Security testing
- D) Performance testing

6. Quality Assurance Engineers typically focus on which aspect of API testing?

A) Validate end-to-end behavior and catch regressions.

- B) Build repeatable test suites.
- C) Identify vulnerabilities.
- D) Confirm the API delivers the right data for business decisions.

7. What is the primary goal of Test Automation Engineers in API testing?

A) Build repeatable test suites that run in CI/CD pipelines.

- B) Verify endpoints work correctly.
- C) Ensure the API contract is consistent.
- D) Measure response times.

8. DevSecOps Engineers focus on integrating what into the deployment pipeline?

A) Security checks

- B) Functional tests
- C) Reliability tests
- D) Performance tests

9. What do Security Specialists aim to identify during API testing?

A) Vulnerabilities, misconfigurations, and data exposure risks.

- B) Correct data for business decisions.
- C) API alignment with product requirements.
- D) API response times.

10. What is the goal of Business Analysts in API testing?

A) Confirm the API delivers the right data for business decisions.

- B) Build repeatable test suites.
- C) Verify endpoints work correctly.
- D) Integrate security checks.

11. API Product Owners ensure the API aligns with what?

A) Product requirements and user needs.

- B) Endpoint functionality.
- C) Security vulnerabilities.
- D) Response times under load.

12. Performance Engineers measure which aspects of an API?

A) Response times, throughput, and resource usage under load.

- B) Endpoint correctness.
- C) API contract consistency.
- D) Data for business decisions.

13. What does the text mean by API testing being a 'cross-functional discipline'?

A) Many different roles interact with and test APIs.

- B) Only developers are involved in API testing.
- C) It is a specialized task for QA engineers only.
- D) It is a part of only one phase of the software lifecycle.

14. Which of the following is a type of testing mentioned in the text?

- A) Functional testing**
- B) User Interface testing
- C) Integration testing (explicitly mentioned)
- D) Usability testing

15. What is the purpose of the 'Reveal All' button in the table?

- A) To show all the answers for the persona-test type mapping.**
- B) To start the course quiz.
- C) To log out of the Postman account.
- D) To provide external resources.

16. What is the duration of the course 'An Introduction to API Testing'?

- A) 20 mins**
- B) 12 mins
- C) 30 mins
- D) 50 mins

17. What is the version number of the course 'An Introduction to API Testing'?

- A) v12**
- B) v1
- C) v2
- D) v10

18. What is the first chapter of this course titled?

- A) AN INTRODUCTION TO API TESTING**
- B) API Test Types
- C) The Case for Test Automation
- D) Wrapping Up

19. What is the next chapter after 'An Introduction to API Testing'?

- A) API Test Types**
- B) The Case for Test Automation
- C) Wrapping Up
- D) Resources

20. What does the note with the 'i' emoji refer to?

- A) A table mapping roles to testing goals and types.**
- B) A definition of API testing.
- C) A quiz section.
- D) A recap of the chapter.