Explaining 9 types of API testing. The method to download the high-resolution PDF is available at the end.   
  
🔹 Smoke Testing   
This is done after API development is complete. Simply validate if the APIs are working and nothing breaks.   
  
🔹 Functional Testing   
This creates a test plan based on the functional requirements and compares the results with the expected results.   
  
🔹 Integration Testing   
This test combines several API calls to perform end-to-end tests. The intra-service communications and data transmissions are tested.   
  
🔹 Regression Testing   
This test ensures that bug fixes or new features shouldn’t break the existing behaviors of APIs.   
  
🔹 Load Testing   
This tests applications’ performance by simulating different loads. Then we can calculate the capacity of the application.   
  
🔹 Stress Testing   
We deliberately create high loads to the APIs and test if the APIs are able to function normally.   
  
🔹 Security Testing   
This tests the APIs against all possible external threats.   
  
🔹 UI Testing   
This tests the UI interactions with the APIs to make sure the data can be displayed properly.   
  
🔹 Fuzz Testing   
This injects invalid or unexpected input data into the API and tries to crash the API. In this way, it identifies the API vulnerabilities.

