Quiz 20: Http Requests & Futures

1. How do Flutter apps typically connect to a database?
    a. **Http requests are sent to web servers which then may talk to a database.**
    b. Flutter setups up a SQL or NoSQL live connection to a database and directly exchanges data.
    c. Data is transferred in JSON (JavaScript Object Notation) format between Flutter and the database.

2. How does sending Http requests to a (REST) API work?
    a. The Flutter app sends requests in JSON format to a single URL on the web server (= the API).
    b. **The Flutter app sends requests with specific Http verbs and endpoints (paths) to the web server (= the API).**
    c. The Flutter app uses a package to exchange special commands between a web server and the app.

3. What's true about a POST request?
    a. Sending data with a POST request (to an API) always adds new data on the server / in the database.
    b. **Sending data with a POST request (to an API) should add new data on the server / in the database.**
    c. Sending data with a POST request (to an API) always creates new posts on the server / in the database.

4. What's a "Future" in Dart?
    a. **An object which waits for asynchronous operation to complete and then (possibly) resolves some data.**
    b. An object which waits for synchronous operation to complete and then (possibly) resolves some data.
    c. An object which instantly returns some data which it wraps to until an Http request is sent.

5. What's "asynchronous" (or "async") code?
    a. Code that follows bad code practices.
    b. Code that is executed immediately but runs sometime in the future. Other code stops execution.
    c. **Code that isn't executed immediately but runs sometime in the future. Other code continues execution.**