Mobile Developer Test Questions

General Instructions:

- Must use flutter

- Can use additional libraries, as long as mentioned.

- Submit a project file or GitHub link to hq@physiomobile.com .

- Build the project into .apk or .aab file and distribute it through firebase App Distribution. Invite luthfi.physiomobile@gmail.com and luthfia911@gmail.com as a tester

- Start Test : 14 May 2025 17:00

- End Test : 16 May 2025 23:00

Question 1: Fetch and Display API Data

Description: Create a simple app that displays a list of **posts** from the following endpoints:

https://jsonplaceholder.typicode.com/posts

Conditions:

- Display a list of post titles in ListView/FlatList/RecyclerView.

- Show the loading indicator when the data is fetched.

- Show an error message if it fails to fetch data.

- Add a "Refresh" button to retrieve the data.

Question 2: Input Forms and Validation

Description: Create a simple form page with the following fields:

- Full name (required)

- Email (required and must be valid)

- Submit Button

Conditions:

- Validation is done when the submit button is pressed.

- If valid, display the input data below the form.

- If it's invalid, display an error message.

Question 3: Counter with State Management

Description: Create a counter app with 2 buttons:

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- ━ Less

Conditions:

- Use the state management you are good at (e.g. `setState`, Provider, BLoC, Redux).

- Show the counter value in the center of the screen.

- The value must not be less than 0.

Bonus (Optional): Offline Caching

If possible, add features:

- Save the fetch results from question 1 to local storage.
- If the app is open offline, it shows the last data from the cache.