

Dart Assignment 30/9/2025

Q1. Explain the difference between `jsonDecode` and `jsonEncode` in Dart.

Provide a clear example showing how to use both.

Q2. Create a class `Book` with `fromJson` and `toJson` methods.

In the `main()` function, demonstrate how to create a `Book` object from JSON and how to convert it back to JSON.

Q3. Research and explain, in your own words, the advantages and disadvantages of using Flutter as a cross-platform development framework.

Q4. In Flutter, what is the purpose of `BuildContext`? Explain in your own words.

Flutter Assignment – Personal Info App

Design and build a simple Flutter app that displays a **personal profile card** containing the following information:

Name – Age - Graduated (Yes/No) – Address - LinkedIn Profile Name - Job Title – Email - Phone Number - Profile Image

Requirements:

1. Use a Scaffold with an AppBar.
2. Display the profile inside a Card.
3. Inside the card, use ListTiles where:

Each ListTile starts with an icon representing the data (e.g., person icon for name, email icon for email, etc.).

The title should be the field name (e.g., “Name”) and the subtitle the actual data (e.g., “Ahmed Ali”).

4. The profile image should be displayed on top as a CircleAvatar.
5. Add an Button in the LinkedIn row that (for now) just prints "Opening LinkedIn..."

Answer all, create pdf that including the question and code screenshot for Dart questions.

Deadline: 1/10/2025