

■ *TypeAdapter with Hive in Flutter*

■ *What is Hive?*

- Hive is a lightweight and fast NoSQL database for Flutter.
- It stores data locally on the device.

■ *Why TypeAdapter?*

- Hive supports simple types (int, String, List, Map).
- To store custom classes (like User), we need TypeAdapter.

■ *Steps:*

1. Add Dependencies (hive, hive_flutter, hive_generator, build_runner).
2. Create a model class with @HiveType and @HiveField.
3. Run: flutter packages pub run build_runner build
4. Register the adapter with Hive.registerAdapter().
5. Open a box and store/retrieve objects.

■ *Example:*

class User { name, age } -> Register adapter -> box.add(User(...)) -> box.get(0)

■ *Summary:*

- Use TypeAdapter to save custom objects in Hive.
- Annotate model, generate adapter, register it, and use boxes.