Link:<https://stackoverflow.com/questions/76025660/how-do-i-define-a-typeadapter>

 am currently using the Hive database to store data. I run the below code:

main() async {

runApp(MyApp());

await Hive.initFlutter();

Hive.registerAdapter(exerciseAdapter());

await Hive.openBox('exerciseBox');

SystemChrome.setPreferredOrientations([

DeviceOrientation.portraitUp,

]);

}

But it says *exerciseAdapter() is not defined*. How do I register this type adapter?

* [**flutter**](https://stackoverflow.com/questions/tagged/flutter)
* [**flutter-hive**](https://stackoverflow.com/questions/tagged/flutter-hive)

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asked Apr 16, 2023 at 2:39

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1 Answer

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**1**

I cannot see your imports, but it seems you haven't defined the exerciseAdapter() method or imported it from another file. To register a type adapter in Hive, you need to create a custom adapter for your class (e.g., Exercise) and then register it using Hive.registerAdapter().

First, you need to create the custom adapter for your Exercise class. Assuming you have a class called Exercise, follow these steps:

Add hive\_generator and build\_runner dependencies to your pubspec.yaml file:

dependencies:

hive: ^2.2.3

...

dev\_dependencies:

hive\_generator: ^2.0.0

build\_runner: ^2.3.3

...

Create a file for your Exercise class (e.g., exercise.dart) and import the required packages:

import 'package:hive/hive.dart';

part 'exercise.g.dart';

Define your Exercise class and annotate it with @HiveType:

@HiveType(typeId: 0)

class Exercise extends HiveObject {

@HiveField(0)

String name;

@HiveField(1)

int duration;

Exercise({required this.name, required this.duration});

}

Run the build command to generate the adapter file exercise.g.dart:

flutter pub run build\_runner build

Finally, import the generated adapter file and register it in your main() function:

import 'package:hive/hive.dart';

import 'package:hive\_flutter/hive\_flutter.dart';

import 'package:flutter/services.dart';

import 'exercise.dart';

void main() async {

await Hive.initFlutter();

Hive.registerAdapter(ExerciseAdapter());

await Hive.openBox<Exercise>('exerciseBox');

SystemChrome.setPreferredOrientations([

DeviceOrientation.portraitUp,

]);

runApp(MyApp());

}