



Code

Main.dart

```
import 'package:flutter/material.dart';
import 'package:madlab10/api_service.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: HomePage()
    );
  }
}

class HomePage extends StatefulWidget {
  @override
  _HomePageState createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: FutureBuilder(
          future: fetchData(),
          builder: (context, snapshot){
            if (snapshot.hasData){
              return ListView.separated(
                separatorBuilder: (context, index) => SizedBox(height: 10,),
                itemBuilder: (context, index){
                  return ListTile(
                    contentPadding: EdgeInsets.symmetric(horizontal: 20, vertical:
5),
                    dense: false,
                    isThreeLine: true,
                    title: Text("ID: " + snapshot.data[index].id.toString()),
                    subtitle: Text("Title: " + snapshot.data[index].title),
                  );
                },
                itemCount: snapshot.data.length,
              );
            }
            else{
              if (snapshot.hasError){
                return AlertDialog(
                  title: Text("Error"),
                  content: Text(snapshot.error.toString()),
                  actions: [
```

```

        FlatButton(
          child: Text("Retry"),
          onPressed: (){
            Navigator.of(context).pop();
          },
        ),
      ],
    );
  }
  return CircularProgressIndicator();
},
),
),
);
}
}

```

apiservice.dart

```

import 'package:http/http.dart' as http;
import 'package:madlab10/model/api_model.dart';
import 'dart:convert';

Future <List<apiModel>> fetchData() async {
  final response =
    await http.get(Uri.parse('https://jsonplaceholder.typicode.com/todos'));
  if (response.statusCode == 200) {
    List<apiModel> list = [];

    json.decode(response.body).forEach((item){list.add(apiModel.fromJson(item));});
    return list;
  } else {
    throw Error();
  }
}

```

api_model.dart

```

class apiModel{
  int id;
  String title;
  bool completed;

  apiModel.fromJson(Map<String,dynamic> map){
    id = map['id'];
    title = map["title"];
    completed = map["completed"];
  }
}

```