

Modul 11

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~FIF-43-06~

```
1 import 'package:flutter/material.dart';
2 void main() {
3   runApp(const MyApp());
4 }
5
6 class MyApp extends StatelessWidget {
7   const MyApp({Key? key}) : super(key: key);
8
9   @override
10  Widget build(BuildContext context) {
11    var items = ["Test Praktikum", "Grid 1", "Grid 2", "Grid 3", "Grid 4",
12                "Grid 5"];
13
14    var colors = [
15      Colors.white,
16      Colors.brown,
17      Colors.blue,
18      Colors.green,
19      Colors.black,
20      Colors.red
21    ];
22
23    return MaterialApp(
24      title: 'Flutter Demo',
25      theme: ThemeData(
26        primarySwatch: Colors.blue,
27      ), // ThemeData
28      home: DefaultTabController(
29        length: 5,
30        child: Scaffold(
31          appBar: AppBar(
32            title: (center(child: const Text("Praktikum App"))),
33            bottom: const TabBar(tabs: [
34              Tab(icon: Icon(Icons.home), text: "Home"),
35              Tab(icon: Icon(Icons.work), text: "Work"),
36              Tab(icon: Icon(Icons.alarm), text: "Alarm"),
37              Tab(icon: Icon(Icons.power_off), text: "Power Off"),
38              Tab(icon: Icon(Icons.account_box_outlined), text: "Account ")), // TabBar
39          ), // AppBar
40          body: TabBarView(
41            children: [
42              Container(
43                padding: const EdgeInsets.all(10),
44                child: GridView.builder(
45                  gridDelegate: const
46                    SliverGridDelegateWithFixedCrossAxisCount(
```

```

5 SliverGridDelegateWithFixedCrossAxisCount(
6     crossAxisCount: 2,
7     mainAxisSpacing: 20,
8     crossAxisSpacing: 20,
9 ), // SliverGridDelegateWithFixedCrossAxisCount
10 itemCount: items.length,
11 itemBuilder: (BuildContext ctx, i){
12     return Container(
13         color: colors[i],
14         child: i == 0
15             ? Center(child: Text(items[i]),)
16             : Positioned(child: Text(items[i]), top: 0, left:
17 0,), // Positioned
18     ); // Container
19 }, // GridView.builder
20 ), // Container
21 const Text("A"),
22 const Text("A"),
23 const Text("A"),
24 const Text("A"),
25 ],
26 ), // TabBarView
27 ), // Scaffold
28 ); // DefaultTabController // MaterialApp
29 }
30 }

```

```

31 class MyHomePage extends StatefulWidget {
32     const MyHomePage({Key? key, required this.title}) : super(key: key);
33     final String title;
34
35     @override
36     State<MyHomePage> createState() => _MyHomePageState();
37 }

```

```

38 class _MyHomePageState extends State<MyHomePage> {
39     int _counter = 0;
40
41     void _incrementCounter() {
42         setState(() {
43             _counter++;
44         });
45     }
46 }

```

```

8
9 @override
10 Widget build(BuildContext context) {
11   return Scaffold(
12     appBar: AppBar(
13       title: Text(widget.title),
14     ), // AppBar
15     body: Center(
16       child: Column(
17         mainAxisAlignment: MainAxisAlignment.center,
18         children: <Widget>[
19           const Text(
20             'You have pushed the button this many times:',
21           ), // Text
22           Text(
23             '$_counter',
24             style: Theme.of(context).textTheme.headline4,
25           ), // Text
26         ], // <Widget>[]
27       ), // Column
28     ), // Center
29     floatingActionButton: FloatingActionButton(
30       onPressed: _incrementCounter,
31       tooltip: 'Increment',
32       child: const Icon(Icons.add),
33     ), // This trailing comma makes auto-formatting nicer for build methods. // FloatingActionButton
34   ); // Scaffold
35 }
36 }

```

