

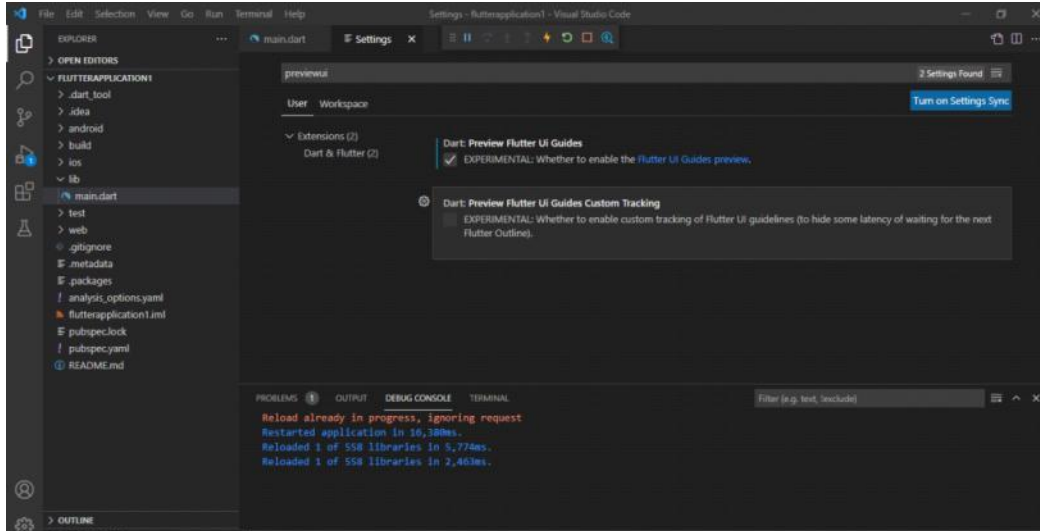
# Flutter Part1

Thursday, October 7, 2021

1:41 PM

Update Setting for hierarchy view.

1. Go to File -> Preferences -> Settings -> Search "previewui" and select Dart : Preview checkbox as shown in blow.



MaterialApp :

Material:

Container:

Below code : We have used dart variables example : int , String and used in Text

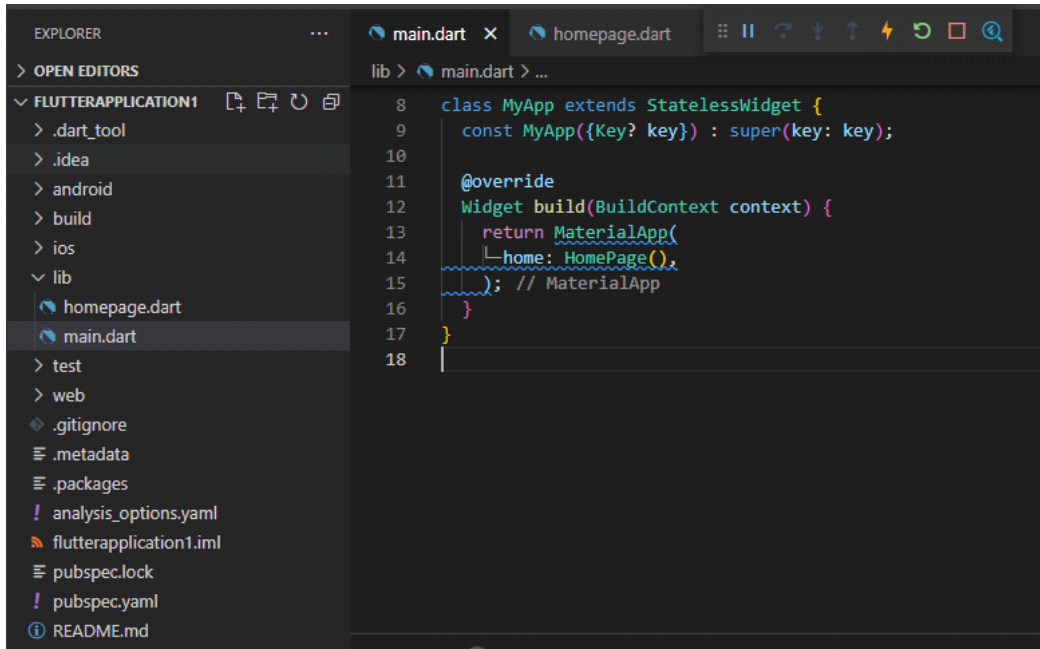
Data types : int , String , bool , num , var

const : value will never change.

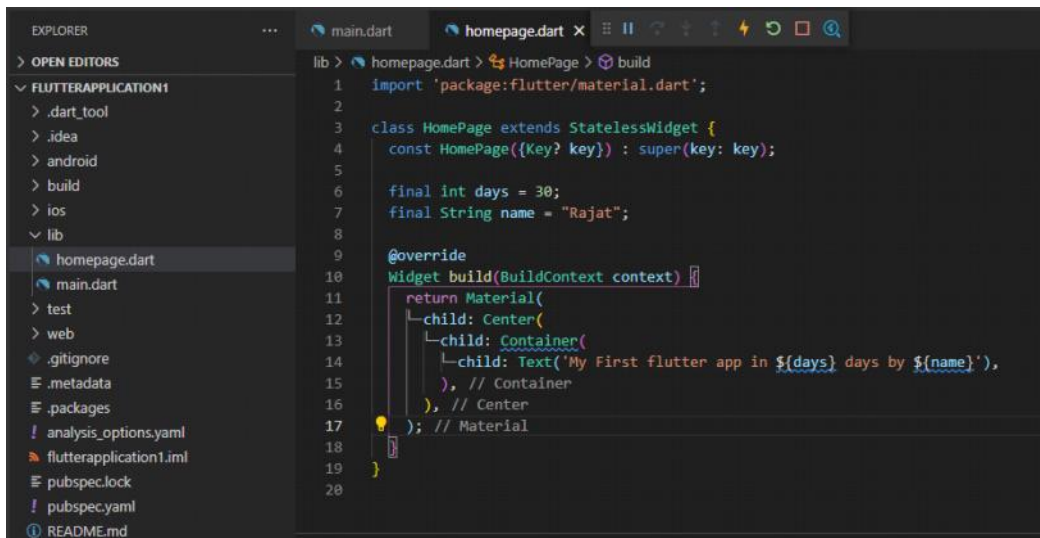
```
import 'package:flutter/material.dart';
void main() {
  runApp(const MyApp());
}
class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    int days = 30;
    String name = "Rajat";
    return MaterialApp(
      home: Material(
        child: Center(
          child: Container(
            child: Text('My First flutter app in ${days} by ${name}'),
          ),
        ),
      ),
    );
  }
}
```

2. If we add more code our main.dart file will go lengthy.

So we can also add another file.  
homepage.dart in lib directory.



```
8 class MyApp extends StatelessWidget {
9   const MyApp({Key? key}) : super(key: key);
10
11   @override
12   Widget build(BuildContext context) {
13     return MaterialApp(
14       home: HomePage(),
15     ); // MaterialApp
16   }
17 }
18
```



```
1 import 'package:flutter/material.dart';
2
3 class HomePage extends StatelessWidget {
4   const HomePage({Key? key}) : super(key: key);
5
6   final int days = 30;
7   final String name = "Rajat";
8
9   @override
10  Widget build(BuildContext context) {
11    return Material(
12      child: Center(
13        child: Container(
14          child: Text('My First flutter app in ${days} days by ${name}'),
15        ), // Container
16      ), // Center
17    ); // Material
18  }
19 }
20
```

Below is code.

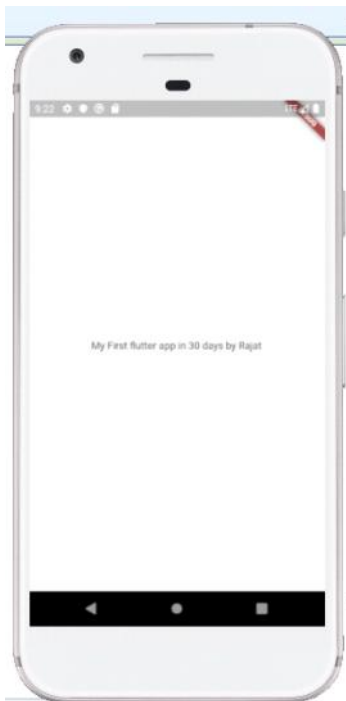
main.dart

```
import 'package:flutter/material.dart';
import 'package:flutterapplication1/homepage.dart';
void main() {
  runApp(const MyApp());
}
class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    );
  }
}
```

homepage.dart

```
import 'package:flutter/material.dart';
class HomePage extends StatelessWidget {
  const HomePage({Key? key}) : super(key: key);
  final int days = 30;
  final String name = "Rajat";
  @override
  Widget build(BuildContext context) {
    return Material(
      child: Center(
        child: Container(
          child: Text('My First flutter app in ${days} days by ${name}'),
        ),
      ),
    );
  }
}
```

App Look :



### 3. Scaffold Widget.

It is similar like html , where it has head , body and foot. Everything in Flutter is widget.

**appBar** : equivalent to head

**drawer** : 3 Horizontal lines in app bar open a new window.

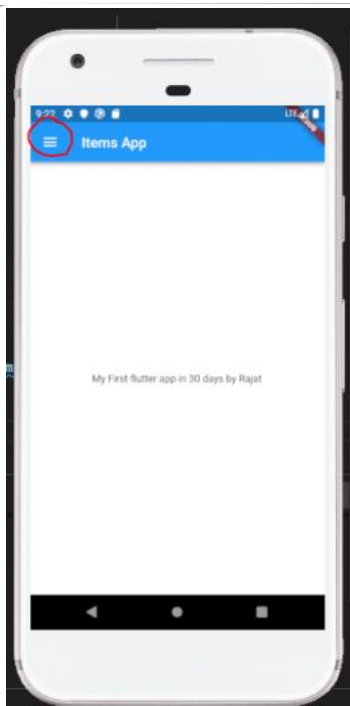
We have added **appBar** in code under Scaffold widget. And it will appear as in below snapshot.

Also added **title** : "Items App" in appBar

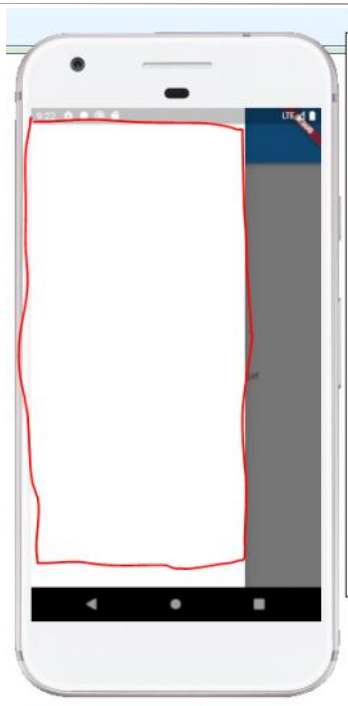
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Now added **drawer** in Scaffold. Marked RED in color.  
After click on 3 horizontal lines a drawer will open like below in second snapshot.



1st Snapshot



2nd Snapshot

Code :

For above modification in only homepage.dart

```
import 'package:flutter/material.dart';
class HomePage extends StatelessWidget {
  const HomePage({Key? key}) : super(key: key);
  final int days = 30;
  final String name = "Rajat";
  @override
```

```
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(  
      title: Text("Items App"),  
    ),  
    body: Center(  
      child: Container(  
        child: Text('My First flutter app in ${days} days by ${name}'),  
      ),  
    ),  
    drawer: Drawer(),  
  );  
}
```

That's for Today. Thanks