

```
lib > main.dart > Myapplication
1 import 'package:flutter/material.dart';
  Run | Debug | Profile
2 void main()
3 {
4   runApp(Myapplication());
5 }
6 class Myapplication extends StatelessWidget{
7
8   @override
9   Widget build(BuildContext context)
10  {
11    return MaterialApp(
12      home: Scaffold(
13        appBar: AppBar(
14          title: const Text('First Flutter Application'),
15        ), ) ; // AppBar // Scaffold // MaterialApp
16  }
17 }
```

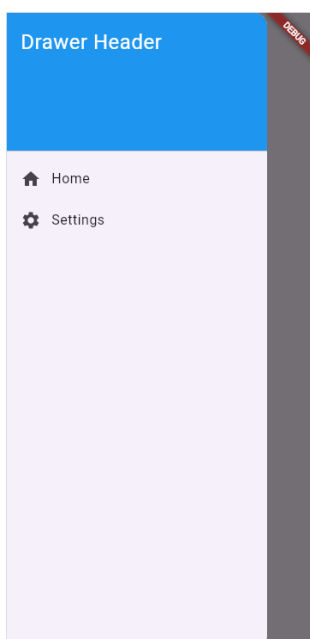
1.

First Flutter Application

DEBUG

2.

```
lib > main.dart > MyApp
1 import 'package:flutter/material.dart';
2
3 Run | Debug | Profile
4 void main() => runApp(MyApp());
5 class MyApp extends StatelessWidget {
6   @override
7   Widget build(BuildContext context) {
8     return MaterialApp(
9       home: Scaffold(
10        appBar: AppBar(
11          title: Text('Drawer Example'),
12        ), // AppBar
13        drawer: Drawer(
14          child: ListView(
15            padding: EdgeInsets.zero,
16            children: <Widget>[
17              DrawerHeader(
18                decoration: BoxDecoration(
19                  color: Colors.blue,
20                ), // BoxDecoration
21                child: Text(
22                  'Drawer Header',
23                  style: TextStyle(
24                    color: Colors.white,
25                    fontSize: 24,
26                  ), // TextStyle
27                ), // Text
28              ), // DrawerHeader
29              ListTile(
30                leading: Icon(Icons.home),
31                title: Text('Home'),
32                onTap: () => Navigator.pop(context),
33              ), // ListTile
34              ListTile(
35                leading: Icon(Icons.settings),
36                title: Text('Settings'),
37                onTap: () => Navigator.pop(context),
38              ), // ListTile
39            ], // <Widget>[]
40          ), // ListView
41        ), // Drawer
42        body: Center(
43          child: Text('Drawer Example App'),
```

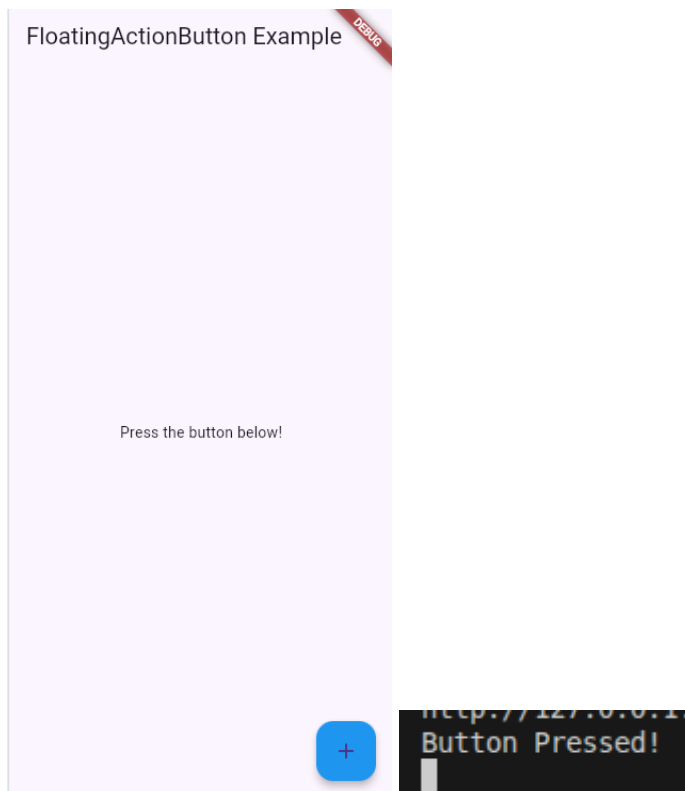


```

lib > main.dart > MyApp > build
1  import 'package:flutter/material.dart';
2
   Run | Debug | Profile
3  void main() => runApp(MyApp());
4
5  class MyApp extends StatelessWidget {
6    @override
7    Widget build(BuildContext context) {
8      return MaterialApp(
9        home: Scaffold(
10         appBar: AppBar(
11           title: Text('FloatingActionButton Example'),
12         ), // AppBar
13         body: Center(
14           child: Text('Press the button below!'),
15         ), // Center
16         floatingActionButton: FloatingActionButton(
17           onPressed: () {
18             // Action to perform when the button is pressed
19             print('Button Pressed!');
20           },
21           child: Icon(Icons.add),
22           backgroundColor: Colors.blue,
23         ), // FloatingActionButton
24       ), // Scaffold
25     ); // MaterialApp
26   }
27 }

```

3.



```

lib > main.dart > MyApp > build
1  import 'package:flutter/material.dart';
2
   Run | Debug | Profile
3  void main() => runApp(MyApp());
4
5  class MyApp extends StatelessWidget {
6    @override
7    Widget build(BuildContext context) {
8      return MaterialApp(
9        home: Scaffold(
10         appBar: AppBar(
11           title: Text('Container Example'),
12         ), // AppBar
13         body: Center(
14           child: Container(
15             padding: EdgeInsets.all(35),
16             margin: EdgeInsets.all(20),
17             alignment: Alignment.center,
18             transform: Matrix4.rotationZ(0.1),
19             child: Text(
20               "Hello! I am in the container widget",
21               style: TextStyle(fontSize: 25),
22             ), // Text
23           ), // Container
24         ), // Center
25       ), // Scaffold
26     ); // MaterialApp
27   }
28 }

```

4.

Container Example

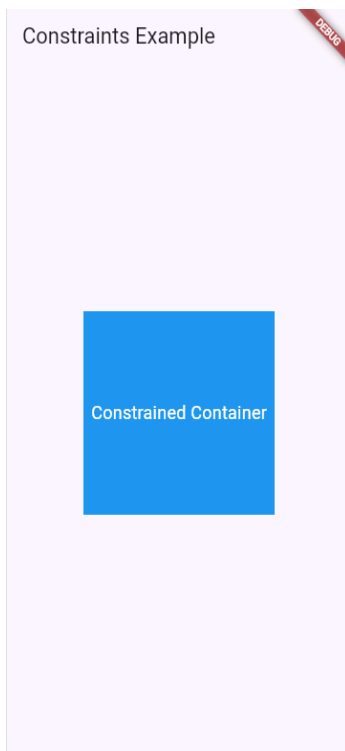
Hello! I am in the
container widget

```

lib > main.dart > MyApp
1  import 'package:flutter/material.dart';
2
3  Run | Debug | Profile
4  void main() => runApp(MyApp());
5  class MyApp extends StatelessWidget {
6    @override
7    Widget build(BuildContext context) {
8      return MaterialApp(
9        home: Scaffold(
10         appBar: AppBar(
11           title: Text('Constraints Example'),
12         ), // AppBar
13         body: Center(
14           child: Container(
15             constraints: BoxConstraints(
16               minWidth: 100,
17               maxWidth: 200,
18               minHeight: 100,
19               maxHeight: 200,
20             ), // BoxConstraints
21             color: Colors.blue,
22             child: Center(
23               child: Text(
24                 'Constrained Container',
25                 style: TextStyle(
26                   color: Colors.white,
27                   fontSize: 18,
28                 ), // TextStyle
29               ), // Text
30             ), // Center
31           ), // Container
32         ), // Center
33       ), // Scaffold
34     ); // MaterialApp
35   }
36 }

```

5.

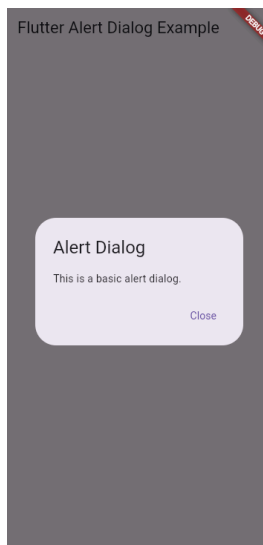


```

lib > main.dart > MyApp
1  import 'package:flutter/material.dart';
   Run | Debug | Profile
2  void main() => runApp(MyApp());
3  class MyApp extends StatelessWidget {
4    @override
5    Widget build(BuildContext context) {
6      return MaterialApp(
7        home: MyHomePage(),
8      ); // MaterialApp
9    }
10 }
11 class MyHomePage extends StatelessWidget {
12   void _showAlertDialog(BuildContext context) {
13     showDialog(
14       context: context,
15       builder: (BuildContext context) {
16         return AlertDialog(
17           title: Text("Alert Dialog"),
18           content: Text("This is a basic alert dialog."),
19           actions: <Widget>[
20             TextButton(
21               child: Text("Close"),
22               onPressed: () {
23                 Navigator.of(context).pop();
24               },
25             ), // TextButton
26           ], // <Widget>[]
27         ); // AlertDialog
28       },
29     );
30   }
31   @override
32   Widget build(BuildContext context) {
33     return Scaffold(
34       appBar: AppBar(
35         title: Text("Flutter Alert Dialog Example"),
36       ), // AppBar
37       body: Center(
38         child: ElevatedButton(
39           onPressed: () {
40             _showAlertDialog(context);
41           },
42           child: Text("Show Alert Dialog"),
43         ), // ElevatedButton
44       ), // Center
45     ); // Scaffold
46   }
47 }

```

6.



```

lib > main.dart > MyHomePage
1  import 'package:flutter/material.dart';
2
   Run | Debug | Profile
3  void main() => runApp(MyApp());
4
5  class MyApp extends StatelessWidget {
6    @override
7    Widget build(BuildContext context) {
8      return MaterialApp(
9        home: MyHomePage(),
10     ); // MaterialApp
11   }
12 }
13
14 class MyHomePage extends StatelessWidget {
15   @override
16   Widget build(BuildContext context) {
17     return Scaffold(
18       appBar: AppBar(
19         title: Text("Flutter Icons Example"),
20       ), // AppBar
21       body: Center(
22         child: Column(
23           mainAxisAlignment: MainAxisAlignment.center,
24           children: <Widget>[
25             Icon(
26               Icons.star,
27               size: 100.0,
28               color: Colors.yellow,
29             ), // Icon
30             Text("Star Icon", style: TextStyle(fontSize: 20.0)),
31             SizedBox(height: 20.0),
32             Icon(
33               Icons.favorite,
34               size: 100.0,
35               color: Colors.red,

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7.

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36             ), // Icon
37             Text("Favorite Icon", style: TextStyle(fontSize: 20.0)),
38             SizedBox(height: 20.0),
39             Icon(
40               Icons.local_florist,
41               size: 100.0,
42               color: Colors.green,
43             ), // Icon
44             Text("Florist Icon", style: TextStyle(fontSize: 20.0)),
45           ], // <Widget>[]
46         ), // Column
47       ), // Center
48     ); // Scaffold
49   }
50 }

```

Flutter Icons Example

DEBUG



Star Icon



Favorite Icon



Florist Icon


```

lib > main.dart > main
1 import 'package:flutter/material.dart';
  Run | Debug | Profile
2 void main() => runApp(MyApp());
3 class MyApp extends StatelessWidget {
4   @override
5   Widget build(BuildContext context) {
6     return MaterialApp(
7       home: MyHomePage(),
8     ); // MaterialApp
9   }
10 }
11 class MyHomePage extends StatelessWidget {
12   final List<String> items = [
13     'Item 1',
14     'Item 2',
15     'Item 3',
16     'Item 4',
17     'Item 5',
18   ];
19   @override
20   Widget build(BuildContext context) {
21     return Scaffold(
22       appBar: AppBar(
23         title: Text("Flutter List Example"),
24       ), // AppBar
25       body: ListView.builder(
26         itemCount: items.length,
27         itemBuilder: (BuildContext context, int index) {
28           return ListTile(
29             title: Text(items[index]),
30           ); // ListTile
31         },
32       ), // ListView.builder
33     ); // Scaffold
34   }
35 }

```

8.

Flutter List Example

Item 1

Item 2

Item 3

Item 4

Item 5

```

lib > main.dart > MyHomePage > build
1  import 'package:flutter/material.dart';
2
   Run | Debug | Profile
3  void main() {
4    runApp(MyApp());
5  }
6
7  class MyApp extends StatelessWidget {
8    @override
9    Widget build(BuildContext context) {
10     return MaterialApp(
11       home: MyHomePage(),
12     ); // MaterialApp
13   }
14 }
15
16 class MyHomePage extends StatelessWidget {
17   void showToast(BuildContext context) {
18     ScaffoldMessenger.of(context).showSnackBar(
19       SnackBar(
20         content: Text('Hello, Flutter Toast!'),
21         duration: Duration(seconds: 5),
22       ), // SnackBar
23     );
24   }
25
26   @override
27   Widget build(BuildContext context) {
28     return Scaffold(
29       appBar: AppBar(
30         title: Text('Flutter Toast Example'),
31       ), // AppBar
32       body: Center(
33         child: ElevatedButton(
34           onPressed: () => showToast(context),
35           child: Text('Show Toast'),
36         ), // ElevatedButton
37       ), // Center
38     ); // Scaffold
39   }
40 }

```

9.

Flutter Toast Example

DEBUG

Show Toast

Hello, Flutter Toast!

```

lib > main.dart > MyHomePage
1  import 'package:flutter/material.dart';
2
3  Run | Debug | Profile
4  void main() {
5    runApp(MyApp());
6  }
7
8  class MyApp extends StatelessWidget {
9    @override
10   Widget build(BuildContext context) {
11     return MaterialApp(
12       theme: ThemeData(
13         scaffoldBackgroundColor: Colors.black, // Set background color to black
14         primaryColor: Colors.yellow, // Set text color to yellow
15       ), // ThemeData
16       home: MyHomePage(),
17     ); // MaterialApp
18   }
19 }
20
21 class MyHomePage extends StatelessWidget {
22   @override
23   Widget build(BuildContext context) {
24     return Scaffold(
25       appBar: AppBar(
26         title: Text('Flutter Theme Example'),
27       ), // AppBar
28       body: Center(
29         child: Text(
30           'Welcome to Flutter Themes',
31           style: TextStyle(
32             fontSize: 24,
33             color: Colors.yellow, // Set text color explicitly
34           ), // TextStyle
35         ), // Text
36       ), // Center
37     ); // Scaffold
38   }
39 }

```

10.



```

1 import 'package:flutter/material.dart';
2 import 'package:fl_chart/fl_chart.dart';
3
4 void main() {
5   runApp(MyApp());
6 }
7
8 class MyApp extends StatelessWidget {
9   @override
10  Widget build(BuildContext context) {
11    return MaterialApp(
12      home: MyHomePage(),
13    );
14  }
15 }
16
17 class MyHomePage extends StatelessWidget {
18   @override
19   Widget build(BuildContext context) {
20     return Scaffold(
21       appBar: AppBar(
22         title: Text('Flutter Pie Chart Demo'),
23       ),
24       body: Center(
25         child: PieChart(
26           PieChartData(
27             sections: [
28               PieChartSectionData(
29                 color: Colors.blue,
30                 value: 30,
31                 title: 'Category A',
32               ),
33               PieChartSectionData(
34                 color: Colors.green,
35                 value: 40,
36                 title: 'Category B',
37               ),
38               PieChartSectionData(
39                 color: Colors.orange,

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11.

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40         value: 20,
41         title: 'Category C',
42       ),
43       PieChartSectionData(
44         color: Colors.red,
45         value: 10,
46         title: 'Category D',
47       ),
48     ],
49   ),
50 ),
51 );
52 );
53 }
54 }

```

