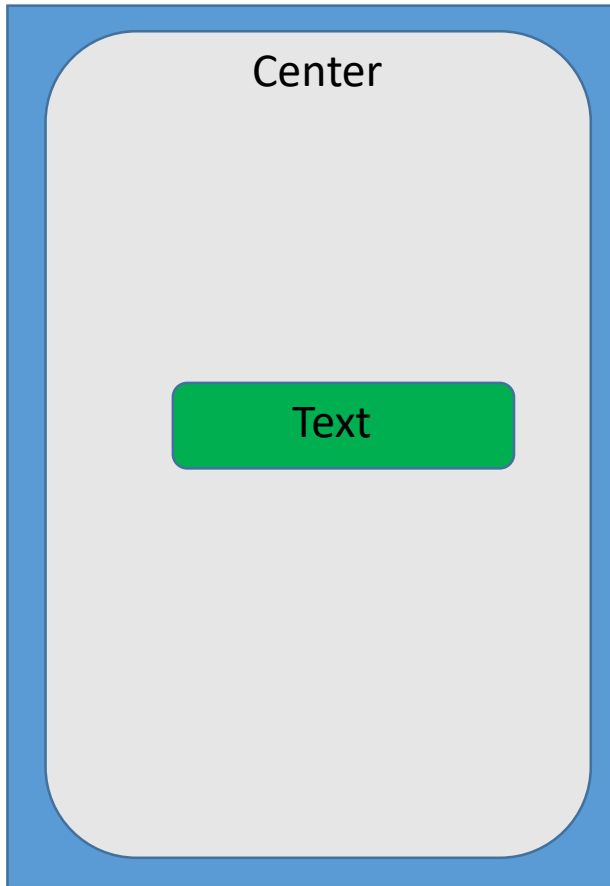
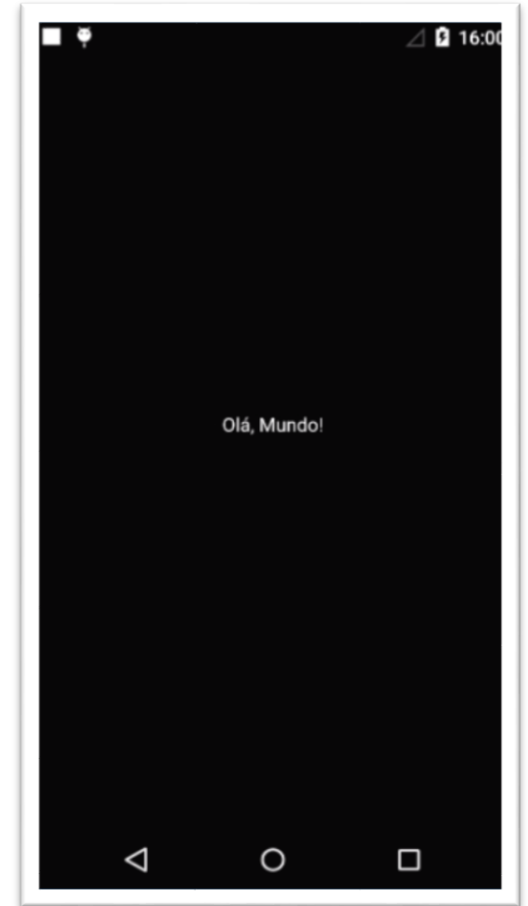


Widget – Parte 1

Primeiro Exemplo Prático



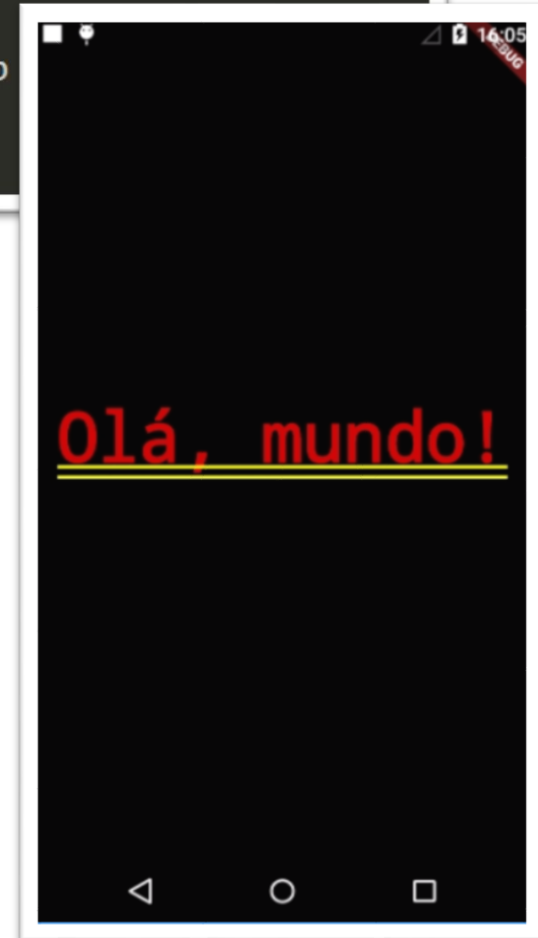
```
1  import 'package:flutter/material.dart';
2
3  void main(){
4    runApp(
5      Center(
6        child: Text(
7          "Olá, Mundo!",
8          textDirection: TextDirection.ltr,
9        ), // Text
10     ), // Center
11   );
12 }
```



Usando o MaterialApp

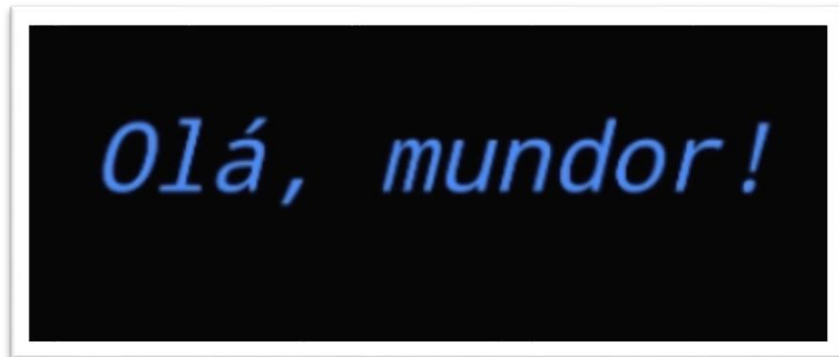
- Uma boa prática de programação com flutter é executar o app dentro de um **MaterialApp**.
- Além disso muitos widgets do Material Design precisam estar dentro de um **MaterialApp** para serem exibidos corretamente.

```
1  import 'package:flutter/material.dart';
2
3  void main(){
4    runApp(
5      MaterialApp(
6        home: Center(
7          child: Text("Olá, mundo!"),
8        ), // Center
9      ) // MaterialApp
10 );
11 }
```



Estilizando o Text

- Podemos estilizar o texto da classe **Text** da forma que nos for conveniente para o app.
- Existem vários atributos dentro da classe **TextStyle** para fazer diversas formatações no texto.

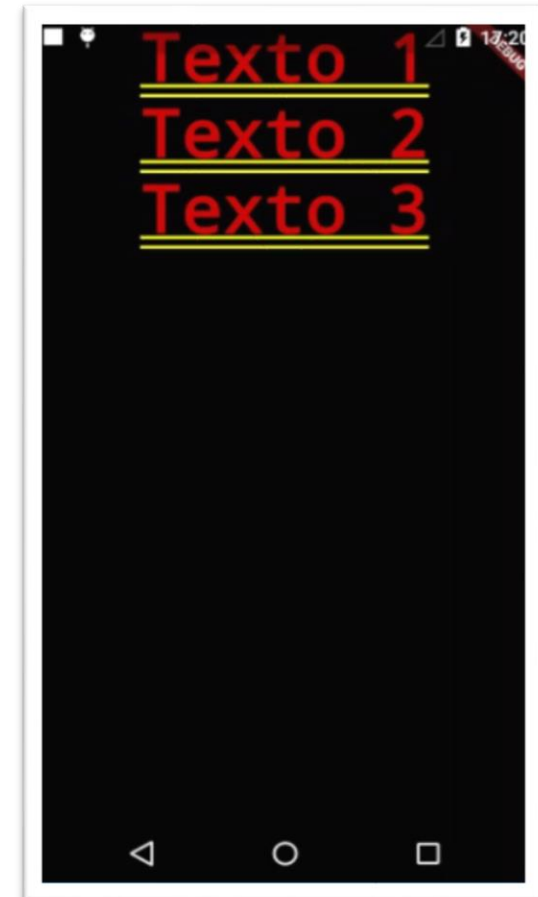


```
void main(){
  runApp(
    MaterialApp(
      home: Center(
        child: Text(
          "Olá, mundor!",
          style: TextStyle(
            color: Colors.blueAccent,
            fontSize: 40.0,
            fontStyle: FontStyle.italic,
            fontWeight: FontWeight.normal,
            decoration: TextDecoration.none
          ), // TextStyle
          textAlign: TextAlign.center,
        ), // Text
      ), // Center
    ) // MaterialApp
  );
}
```

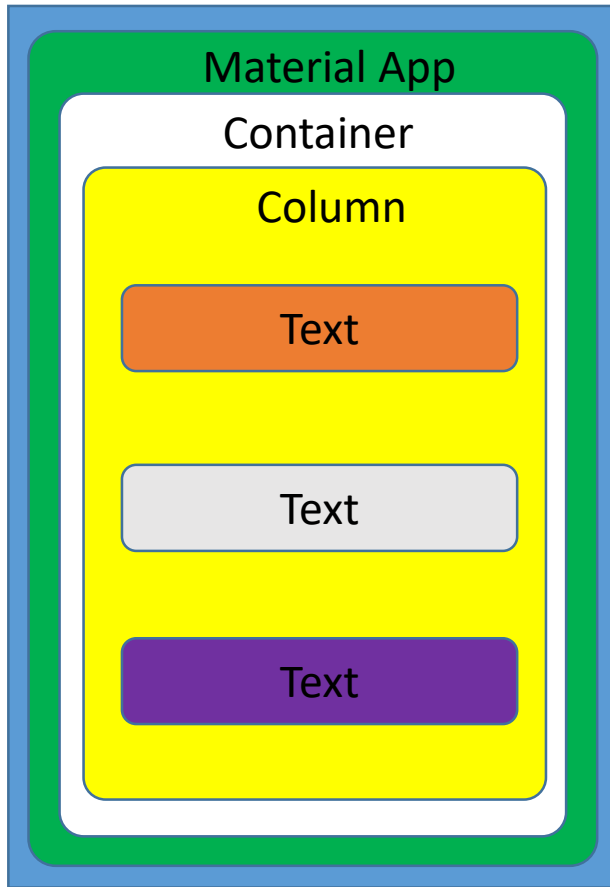
Usando o Column



```
1  import 'package:flutter/material.dart';
2
3  void main(){
4      runApp(
5          MaterialApp(
6              home: Column(
7                  children: <Widget>[
8                      Text("Texto 1"),
9                      Text("Texto 2"),
10                     Text("Texto 3"),
11                 ], // <Widget>[]
12             ), // Column
13         ) // MaterialApp
14     );
15 }
```



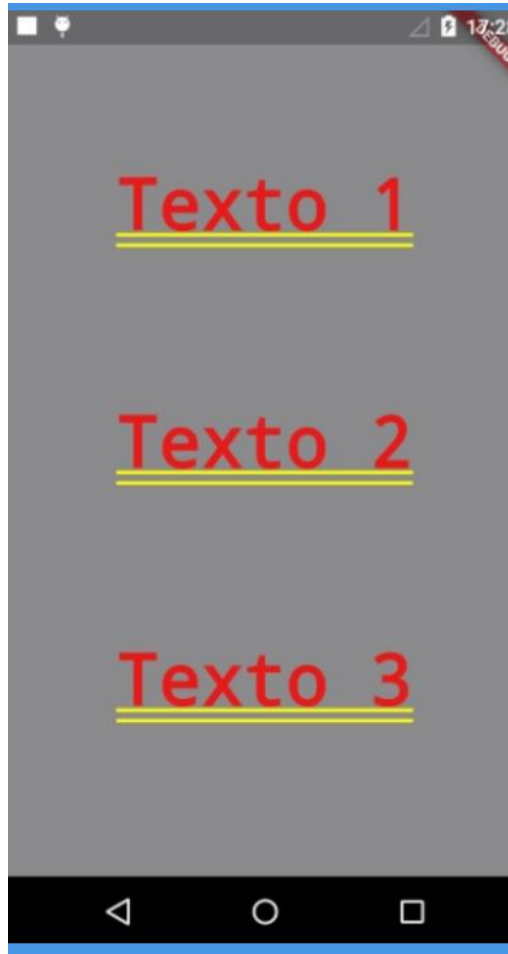
Usando Container com Column



```
1  import 'package:flutter/material.dart';
2
3  void main(){
4      runApp(
5          MaterialApp(
6              home: Container(
7                  color: Colors.white54,
8                  child: Column(
9                      mainAxisAlignment: MainAxisAlignment.spaceEvenly,
10                     //mainAxisAlignment: MainAxisAlignment.spaceBetween,
11                     //mainAxisAlignment: MainAxisAlignment.spaceAround,
12                     children: <Widget>[
13                         Text("Texto 1"),
14                         Text("Texto 2"),
15                         Text("Texto 3"),
16                     ], // <Widget>[]
17                 ), // Column
18             ), // Container
19         ), // MaterialApp
20     );
21 }
```

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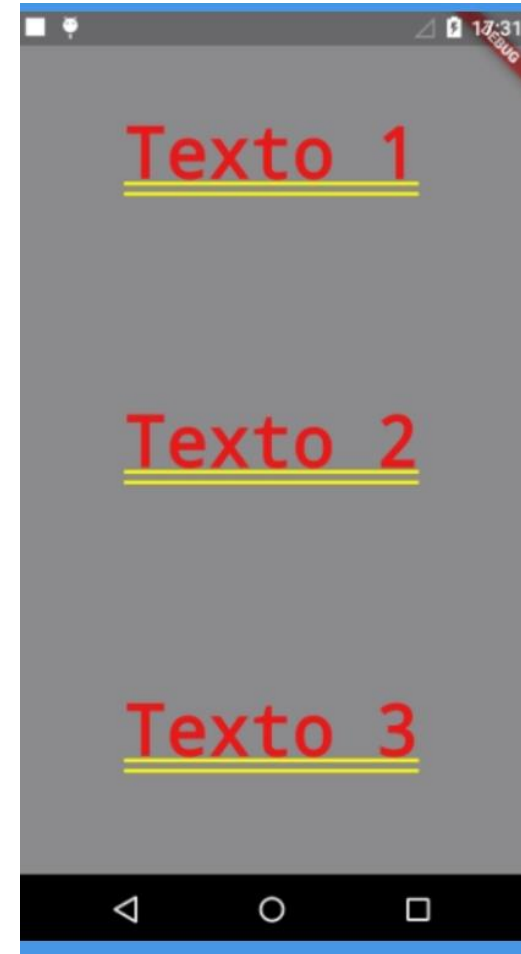
Usando Container com Column (2)



spaceEvenly

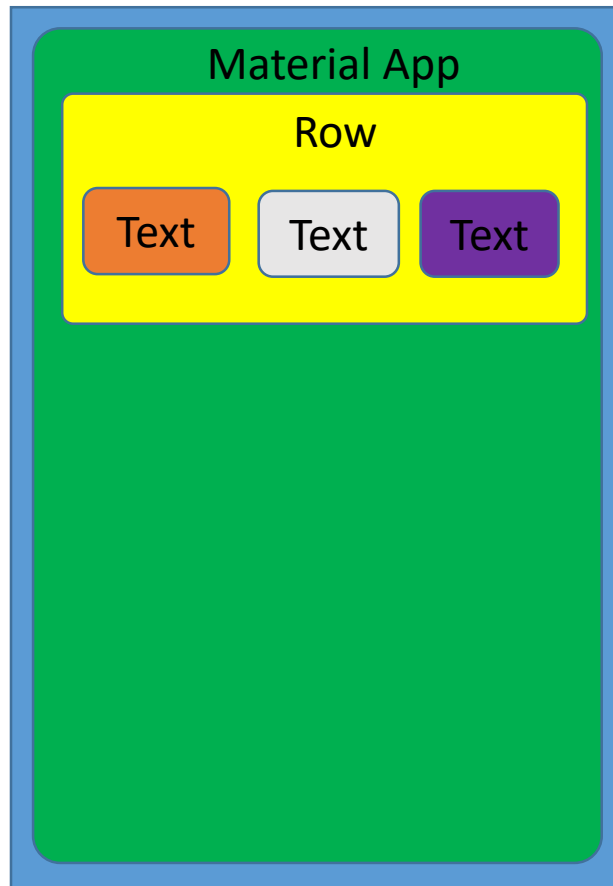


spaceBetween

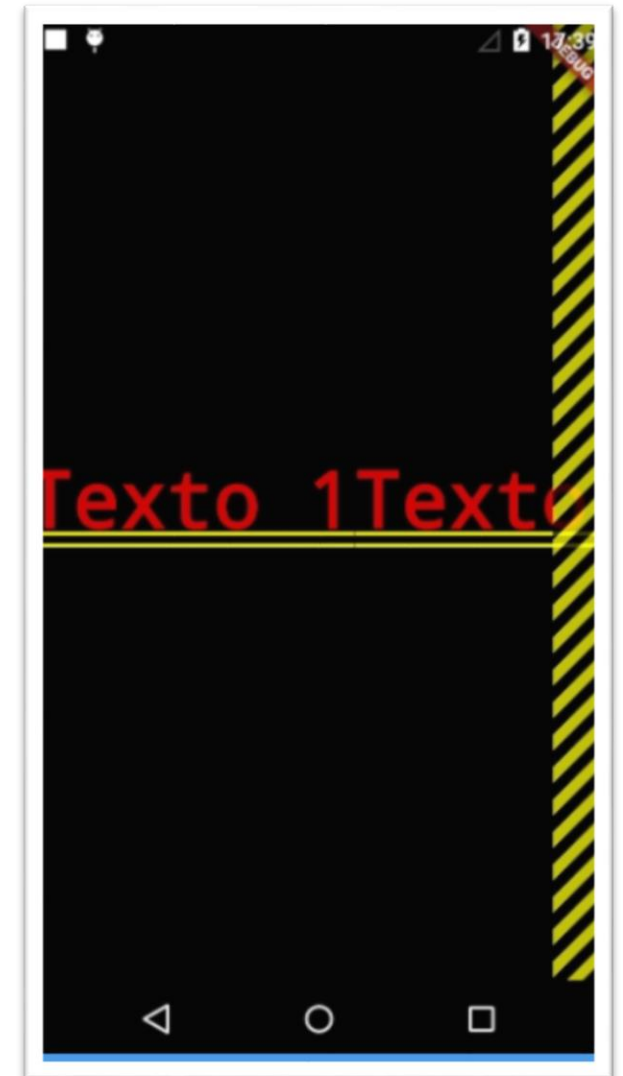


spaceAround

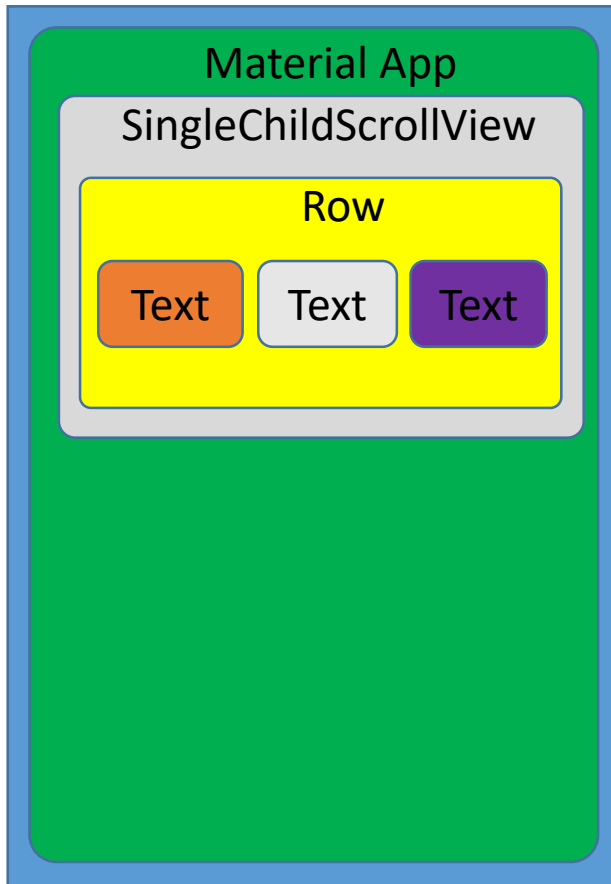
Usando o Row



```
1  import 'package:flutter/material.dart';
2
3  // Exemplo usando o Widget Row
4  void main(){
5    runApp(
6      MaterialApp(
7        home: Row(
8          children: <Widget>[
9            Text("Texto 1"),
10           Text("Texto 2"),
11           Text("Texto 3"),
12         ], // <Widget>[]
13       ), // Row
14     ), // MaterialApp
15   );
16 }
```



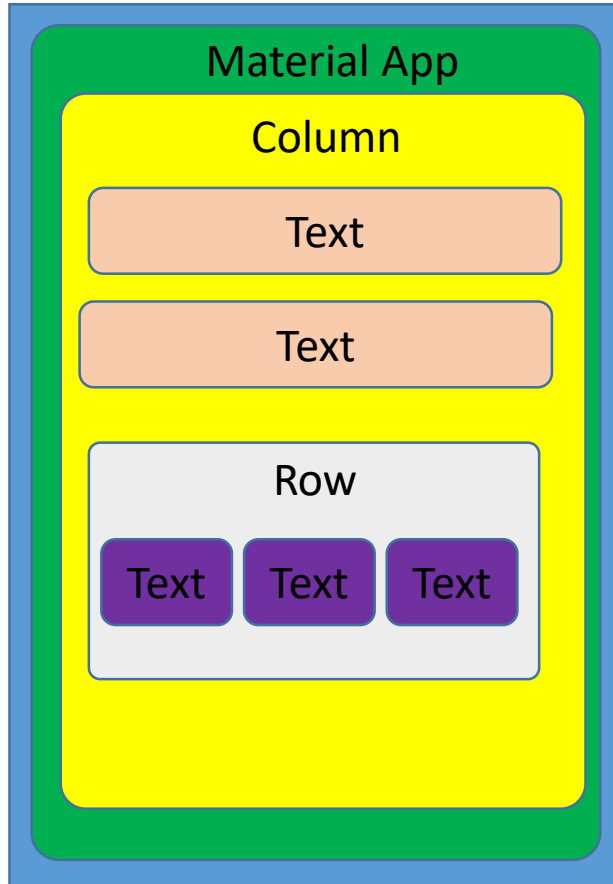
Usando SingleChildScrollView com Row



```
1 import 'package:flutter/material.dart';
2 import 'package:flutter/rendering.dart';
3
4 // Exemplo 5
5 void main(){
6     runApp(
7         MaterialApp(
8             home: SingleChildScrollView(
9                 scrollDirection: Axis.horizontal,
10                child: Row(
11                    children: <Widget>[
12                        Text("Texto 1"),
13                        Text("Texto 2"),
14                        Text("Texto 3"),
15                    ],
16                ), // Row
17            ) // SingleChildScrollView
18        ), // MaterialApp
19    );
20 }
```



Usando o Column com Row

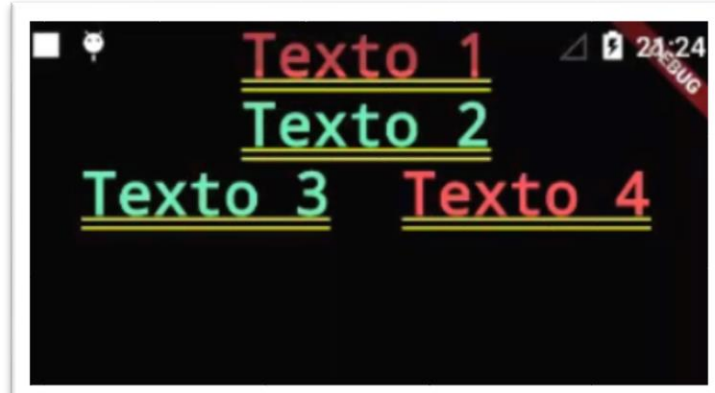


```
import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';
import 'package:flutter/rendering.dart';
import 'package:flutter/widgets.dart';
```

```
void main() {
  runApp(MaterialApp(
    home: Column(
      children: <Widget>[
        Text(
          "Texto 1",
          style: TextStyle(
            color: Colors.redAccent,
            fontSize: 30,
          ), // TextStyle
        ), // Text
        Text(
          "Texto 2",
          style: TextStyle(
            color: Colors.greenAccent,
            fontSize: 30,
          ), // TextStyle
        ), // Text
        Row(
```

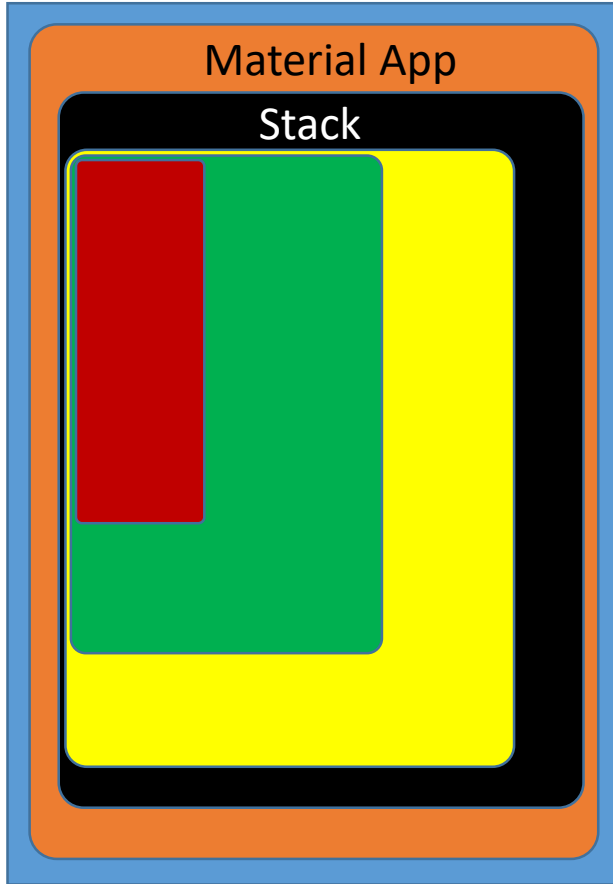
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Continuação



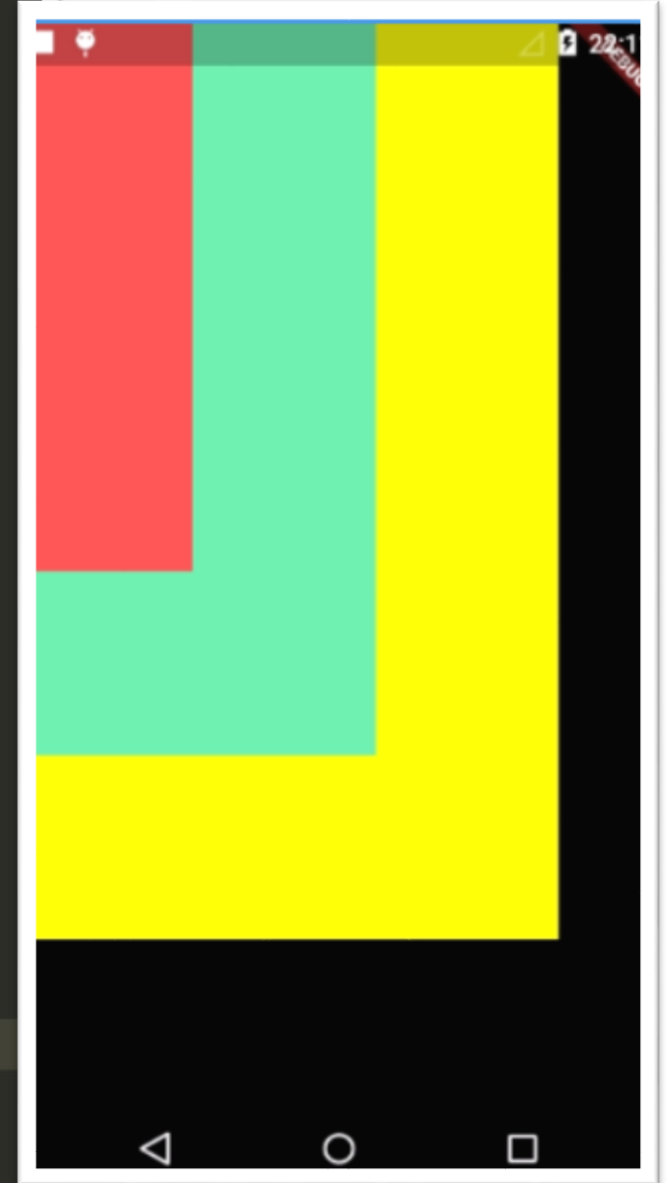
```
Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  children: <Widget>[
    Text(
      "Texto 3",
      style: TextStyle(
        color: Colors.greenAccent,
        fontSize: 30,
      ), // TextStyle
    ), // Text
    Text(
      "Texto 4",
      style: TextStyle(
        color: Colors.redAccent,
        fontSize: 30,
      ), // TextStyle
    ), // Text
  ], // <Widget>[]
), // Row
], // <Widget>[]
), // Column
)); // MaterialApp
```

Usando o Stack

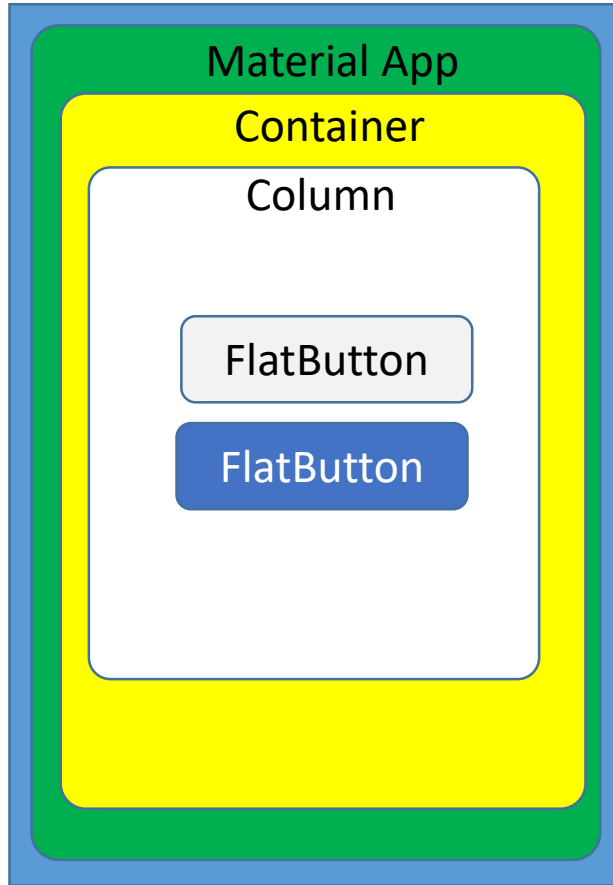


```
import 'package:flutter/cupertino.dart';
import 'package:flutter/material.dart';
import 'package:flutter/rendering.dart';
import 'package:flutter/widgets.dart';

void main() {
  runApp(MaterialApp(
    home: Stack(
      children: <Widget>[
        Container(
          height: 500,
          width: 300,
          color: Colors.yellowAccent,
        ), // Container
        Container(
          height: 400,
          width: 200,
          color: Colors.greenAccent,
        ), // Container
        Container(
          height: 300,
          width: 100,
          color: Colors.redAccent,
        ), // Container
      ], // <Widget>[]
    )); // Stack // MaterialApp
}
```



Usando o FlatButton

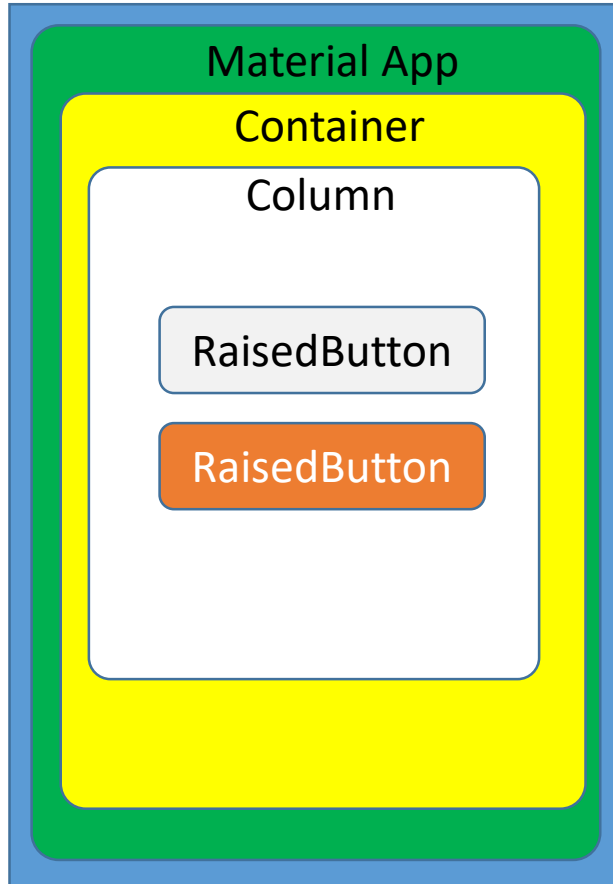


```
import 'package:flutter/material.dart';

void main() {
  runApp(MaterialApp(
    home: Container(
      color: Colors.white,
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
          FlatButton(
            child: Text("clique 1", style: TextStyle(fontSize: 40)),
            onPressed: () => print("clique 1")
          ), // FlatButton
          FlatButton(
            color: Colors.blue,
            textColor: Colors.white,
            padding: EdgeInsets.all(8.0),
            splashColor: Colors.yellowAccent,
            child: Text("clique 2", style: TextStyle(fontSize: 40)),
          ), // Text
          onPressed: () => print("clique 2")
        ), // FlatButton
      ], // <Widget>[]
    ), // Column
  ), // Container
)); // MaterialApp
}
```



Usando o RaisedButton



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

void main() {
  runApp(MaterialApp(
    home: Container(
      color: Colors.white,
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
          RaisedButton(
            child: Text("clique 1", style: TextStyle(fontSize: 40),),
            onPressed: () => print("clique 1"),
          ), // RaisedButton
          RaisedButton(
            color: Colors.orangeAccent,
            textColor: Colors.white,
            elevation: 20,
            splashColor: Colors.redAccent,
            child: Text("clique 2", style: TextStyle(fontSize: 40),),
            onPressed: () => print("clique 2"),
          ), // RaisedButton
        ], // <Widget>[]
      ), // Column
    ), // Container
  )); // MaterialApp
}
```

