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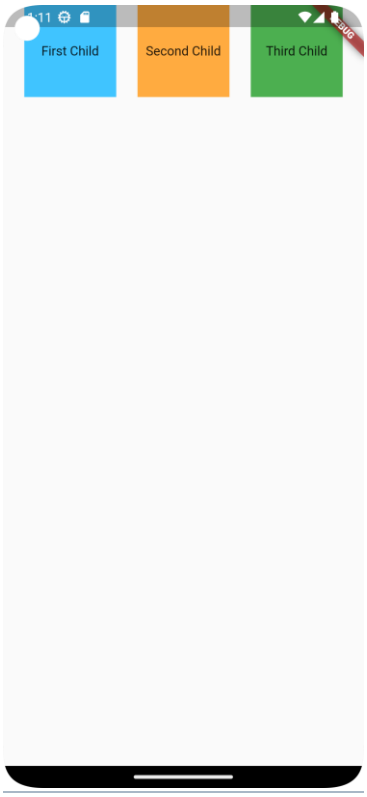
Single/Multi-Child Widgets

1. Build a Futter app to demonstrate the usage of Row Widget and Experiment with its MainAxis and CrossAxis properties respectively.

```
import 'package:flutter/material.dart';
void main() {
  runApp(MaterialApp(
    home: RowApp(),
  ));
}
class RowApp extends StatelessWidget {
  const RowApp({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
        body:Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          crossAxisAlignment: CrossAxisAlignment.start,
          children:[
            Container(
              height: 100,
              width: 100,
              color: Colors.lightBlueAccent,
              child: Center(
                child: Text(
                    'First Child'
                ),
              ),
            ),
            Container(
              height: 100,
              width: 100,
              color: Colors.orangeAccent,
              child: Center(
                child: Text(
                    'Second Child'
                ),
              ),
            ),
            Container(
              height: 100,
              width: 100,
              color: Colors.green,
              child: Center(
                child: Text(
```

```
                'Third Child'
            ),
          ),
        )
      ],
    )
  );
 }
}
```

Output

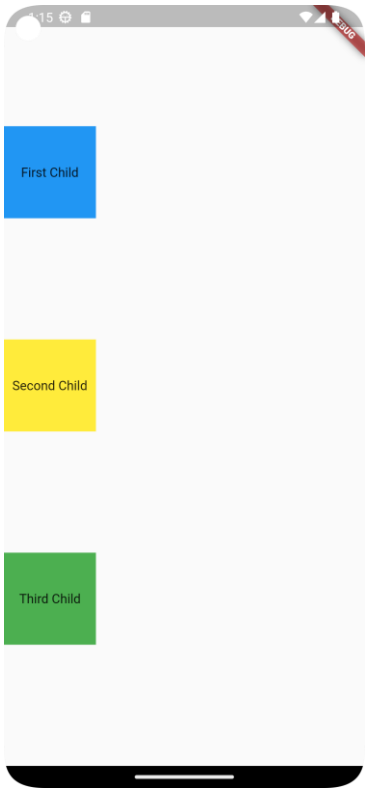


2. Build a Futter app to demonstrate the usage of Column Widget and Experiment with its MainAxis and CrossAxis properties respectively.

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

```
        mainAxisAlignment: MainAxisAlignment.spaceEvenly,
        crossAxisAlignment: CrossAxisAlignment.start,
        children:[
          Container(
            height: 100,
            width: 100,
            color: Colors.blue,
            child: Center(
              child: Text(
                  'First Child'
              ),
            ),
          ),
          Container(
            height: 100,
            width: 100,
            color: Colors.yellow,
            child: Center(
              child: Text(
                  'Second Child'
              ),
            ),
          ),
          Container(
            height: 100,
            width: 100,
            color: Colors.green,
            child: Center(
              child: Text(
                  'Third Child'
              ),
            ),
          )
        ],
      )
    );
  }
}
```

Output



3. Build a Futter app to demonstrate the usage of Row & Column Widget and Experiment with its MainAxis and CrossAxis properties respectively.

```
import 'package:flutter/material.dart';
void main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home:SafeArea(
      child:ColumnApp(),
    ),
  ));
}
class ColumnApp extends StatefulWidget {
  const ColumnApp({Key? key}) : super(key: key);
  @override
  _ColumnAppState createState() => _ColumnAppState();
}
class _ColumnAppState extends State<ColumnApp> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body:Row(
        mainAxisAlignment: MainAxisAlignment.spaceEvenly,
        children:[
          Column(
```

```
            mainAxisAlignment: MainAxisAlignment.start,
            children:[Container(
              height: 100,
              width: 100,
              color: Colors.lightBlueAccent,
              child: Center(
                child: Text(
                    'First Child'
                ),
              ),
            ),
            ],
          ),
          Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [Container(
              height: 100,
              width: 100,
              color: Colors.indigo,
              child: Center(
                child: Text(
                    'Second Child'
                ),
              ),
            ),
            ],
          ),
          Column(
            mainAxisAlignment: MainAxisAlignment.end,
            children:[Container(
              height: 100,
              width: 100,
              color: Colors.amberAccent,
              child: Center(
                child: Text(
                    'Third Child'
                ),
              ),
            ),
            ],
          ),
        ],
      ),
    );
  }
}
```

Output