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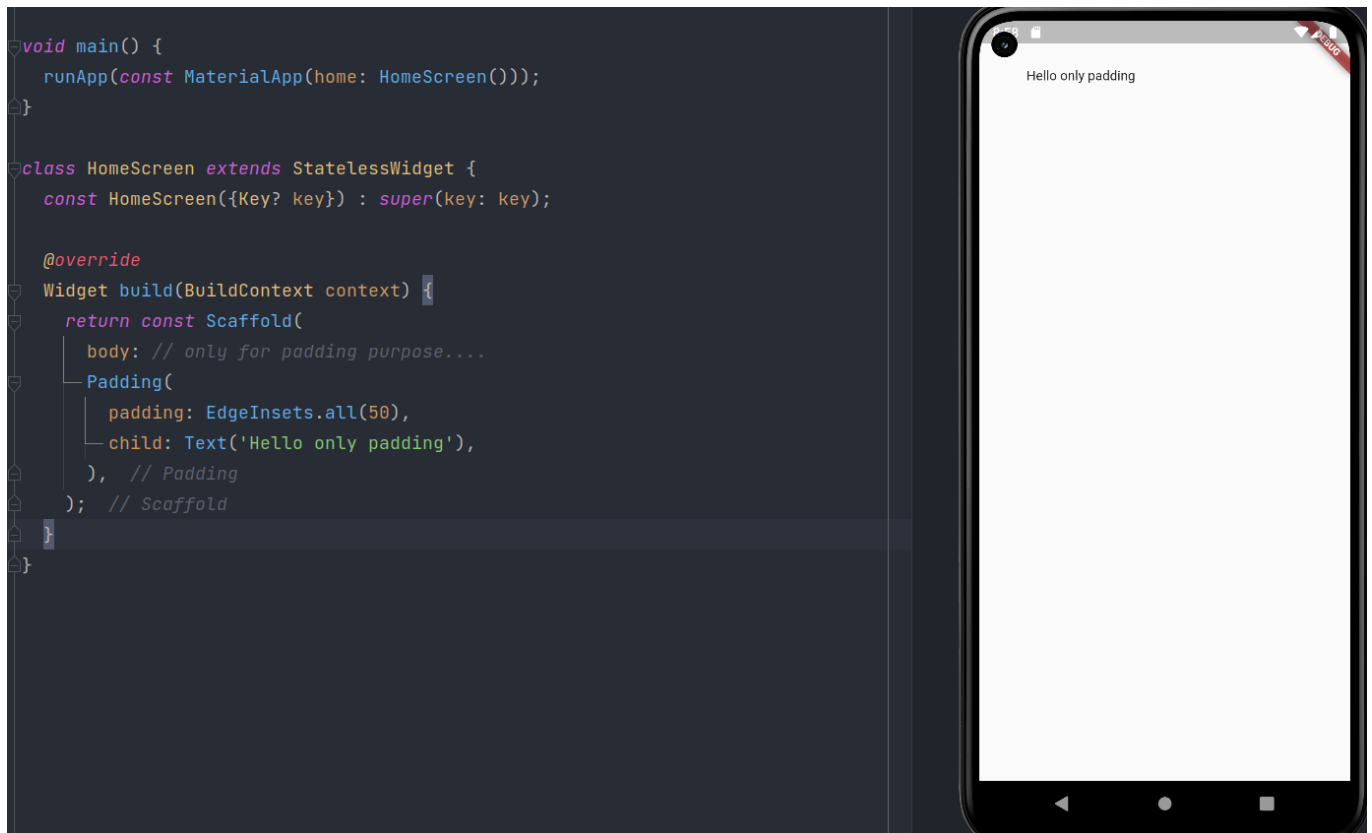
**Subject:** SDP

**Batch:** A3

**Roll No:** CE053

**ID No:** 20CEUBG084

## Lab8 Tutorial-1



**Description:**

instead of container we can directly use the padding widget.

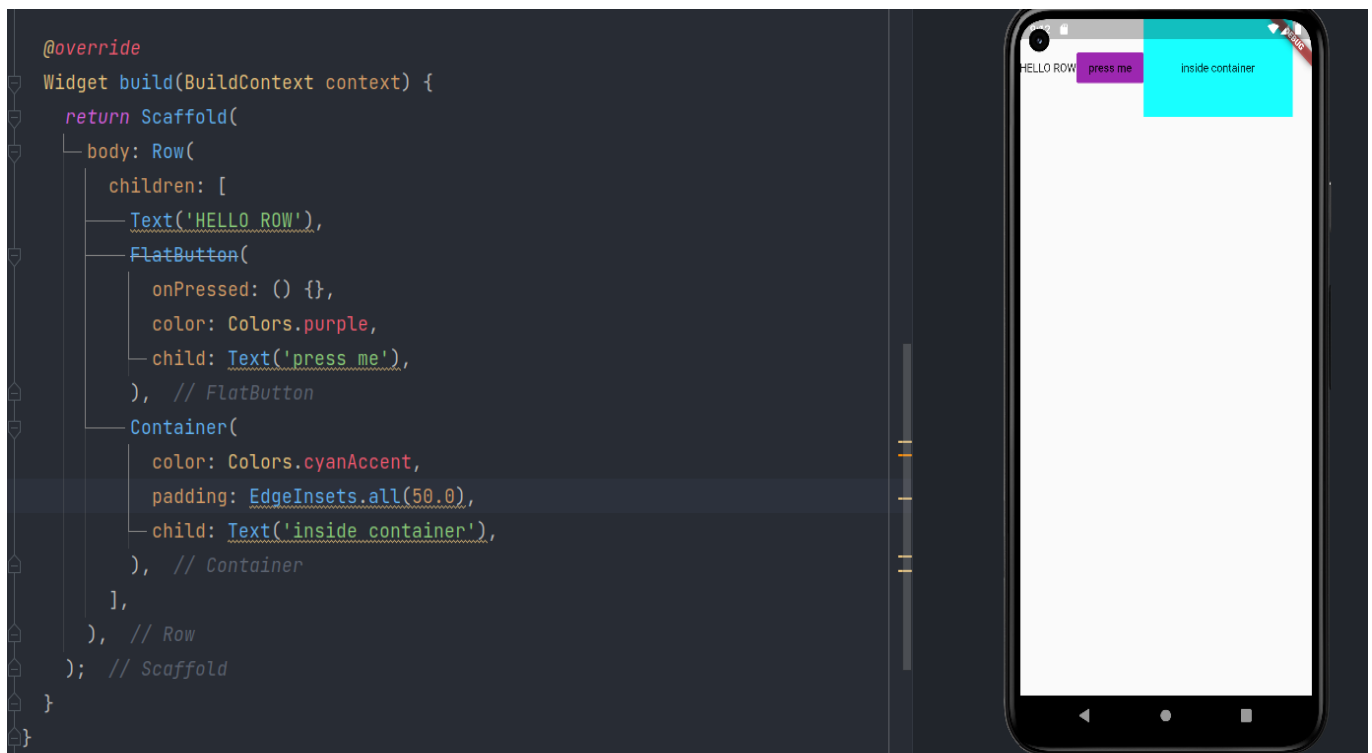
It can't support margin, color, etc.

If we want to use both and other we can use container widget.

Containing class: Padding

Creates a widget that insets its child.

The padding argument must not be null.



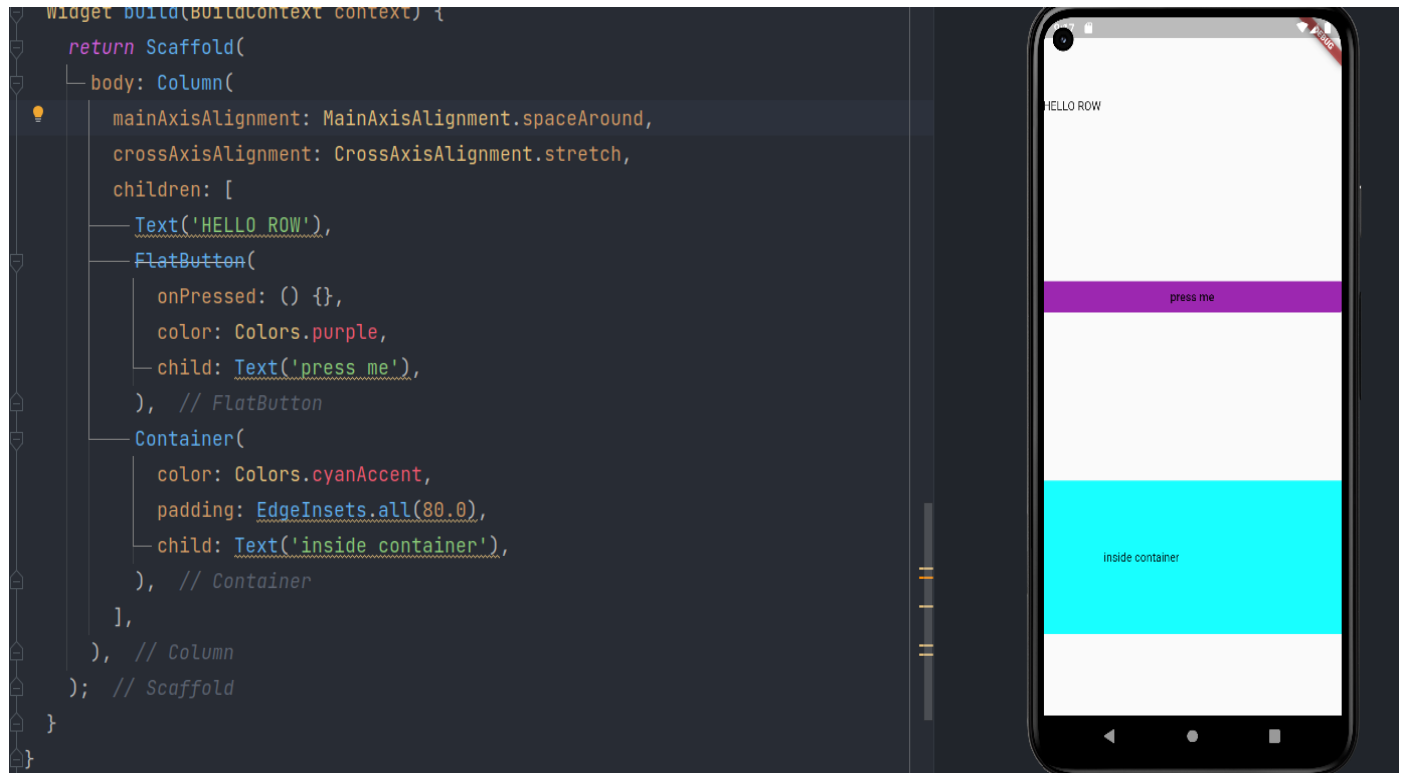
## Description:

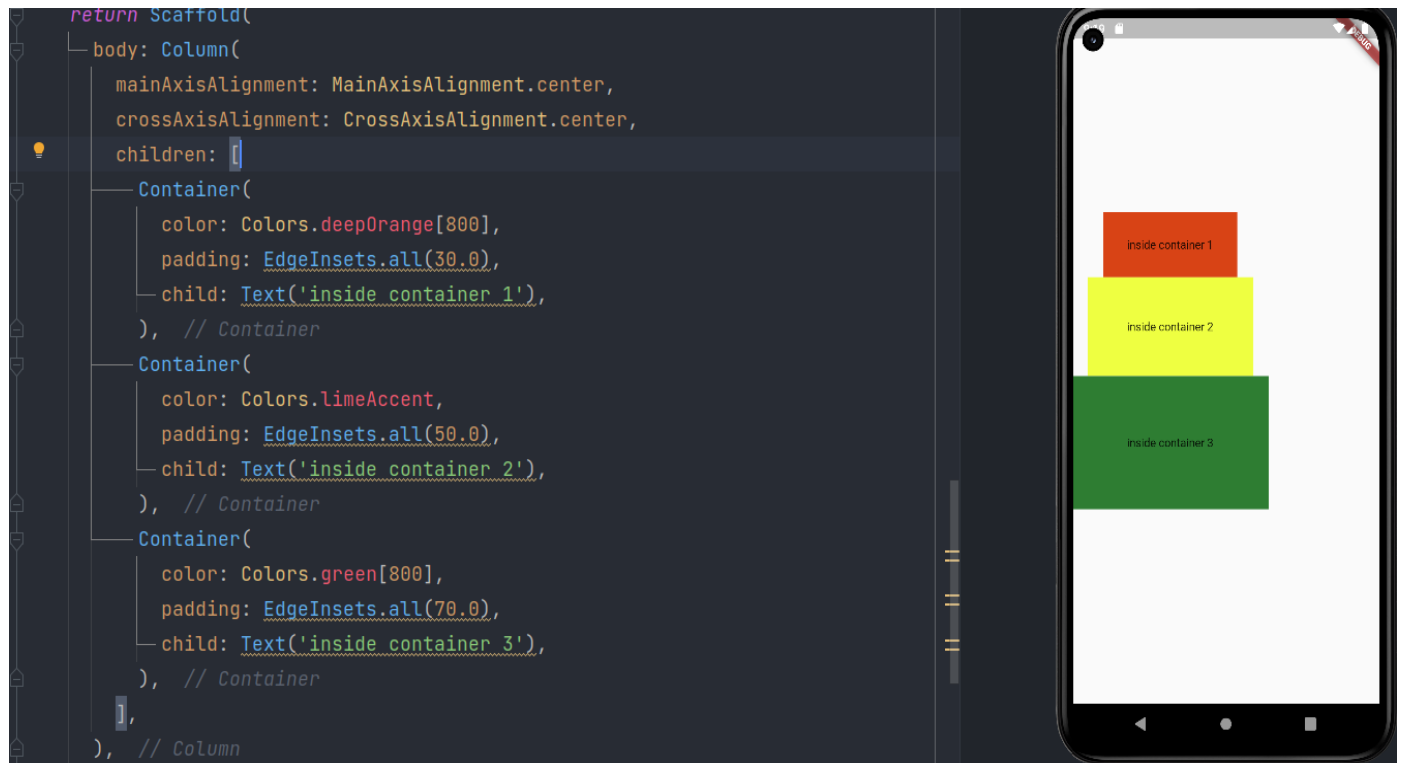
instead of 'child' – 'children : []' property is used

Type: `List<Widget>`

Creates a horizontal array of children.

The `mainAxisAlignment`, `mainAxisSize`, `crossAxisAlignment`, and `verticalDirection` arguments must not be null. If `crossAxisAlignment` is `CrossAxisAlignment.baseline`, then `textBaseline` must not be null.





## Description:

In Column widget it is totally opposite.

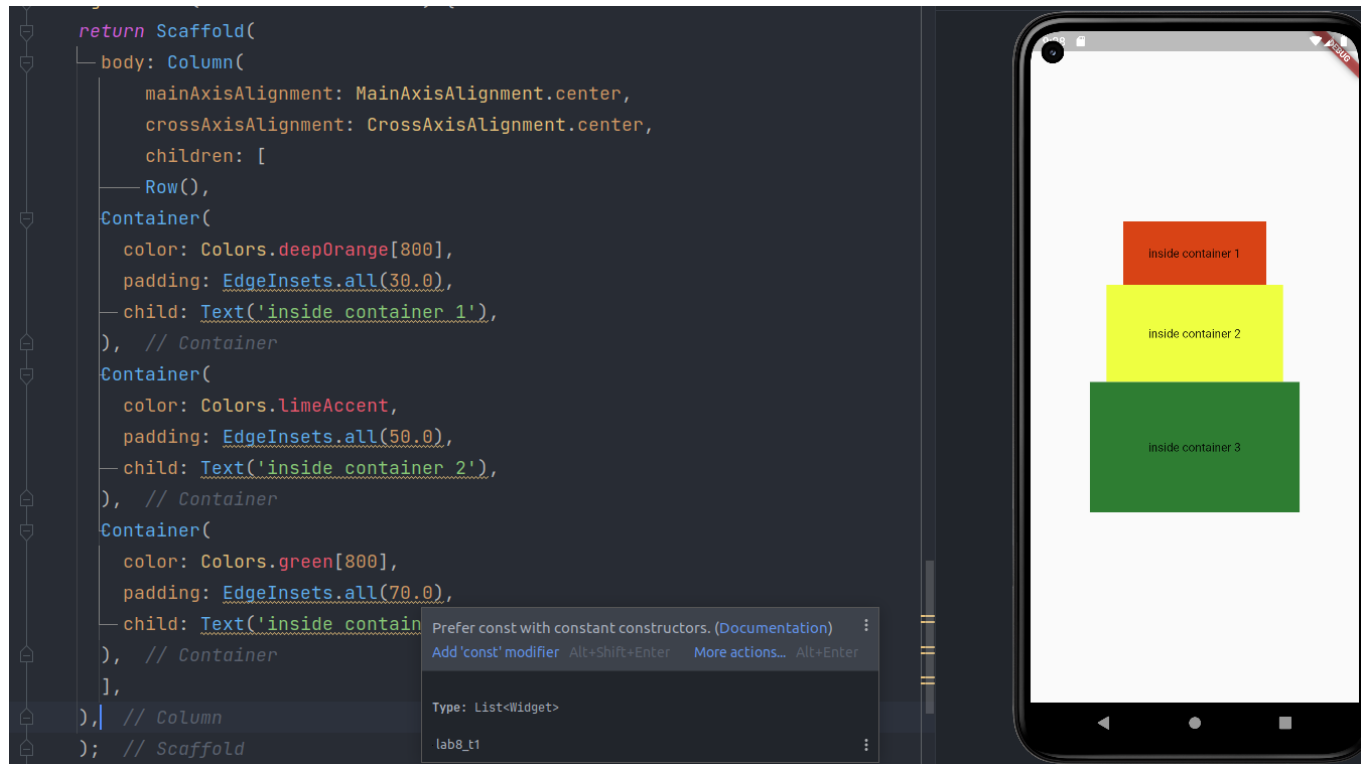
Vertical line becomes Main axis for Column and Horizontal line becomes Cross axis.

Containing class: Column

Creates a vertical array of children.

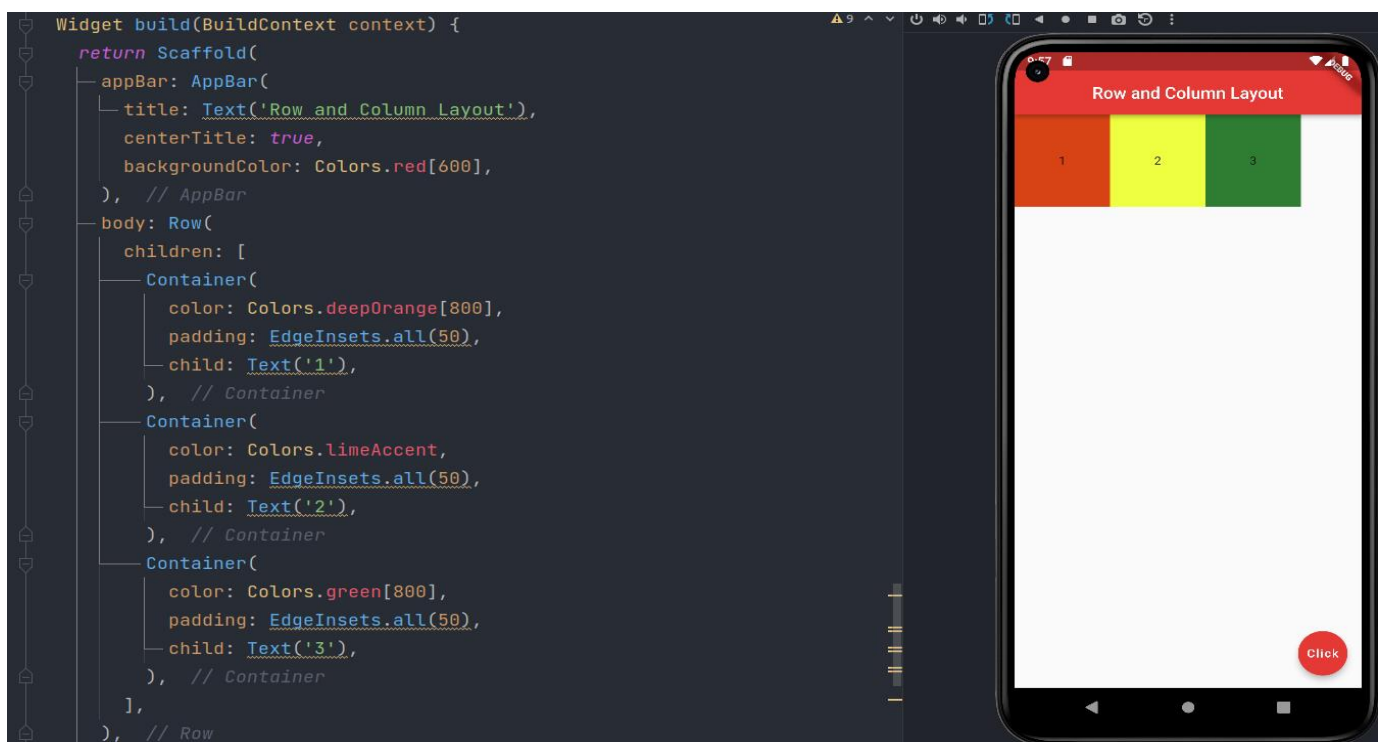
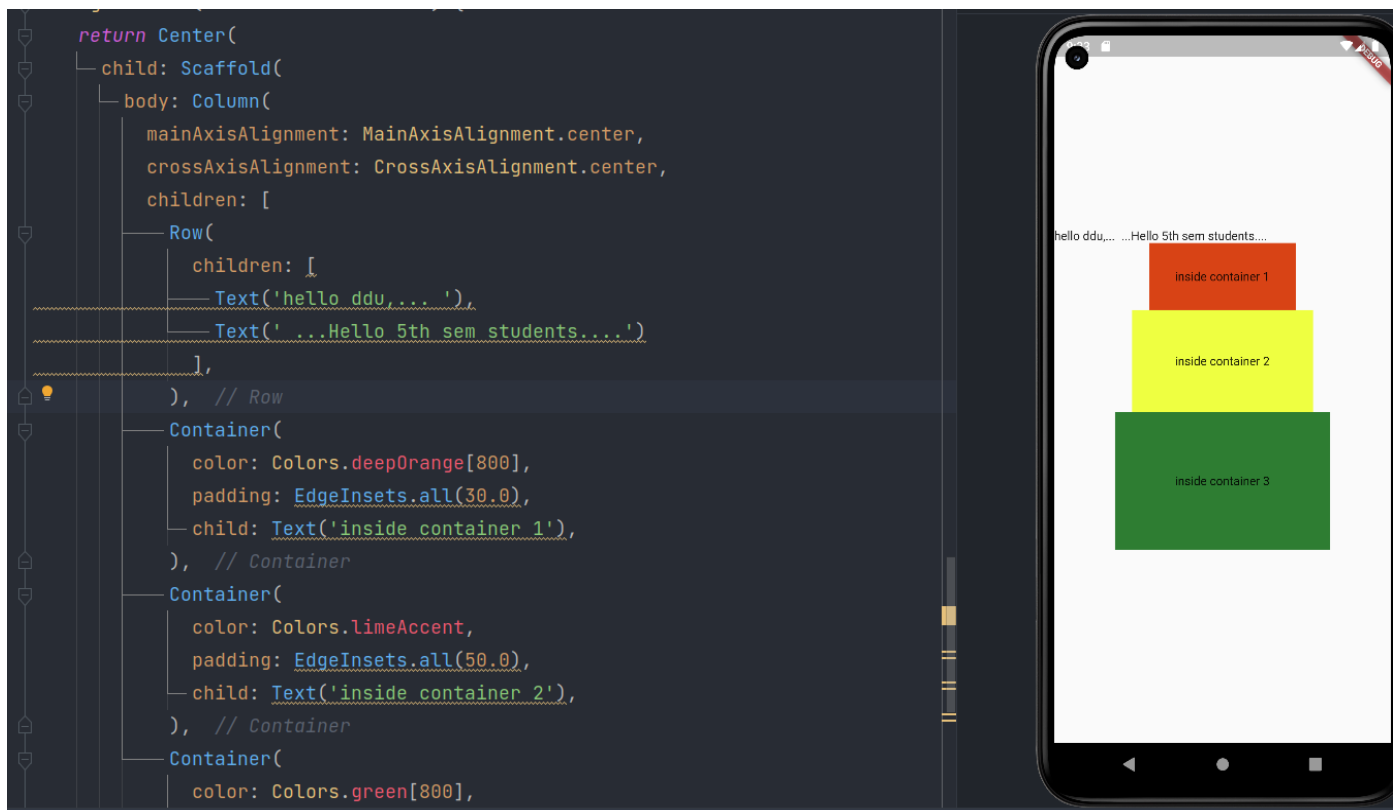
The `mainAxisAlignment`, `mainAxisSize`, `crossAxisAlignment`, and `verticalDirection` arguments must not be null. If `crossAxisAlignment` is `CrossAxisAlignment.baseline`, then `textBaseline` must not be null.

## Test 1:



row and column

If we complete Row() in above code:



## Description:

In Above code we are using Expanded and Flex widget.

Containing class: Expanded

Creates a widget that expands a child of a Row, Column, or Flex so that the child fills the available space along the flex widget's main axis.

Creates a flex layout.

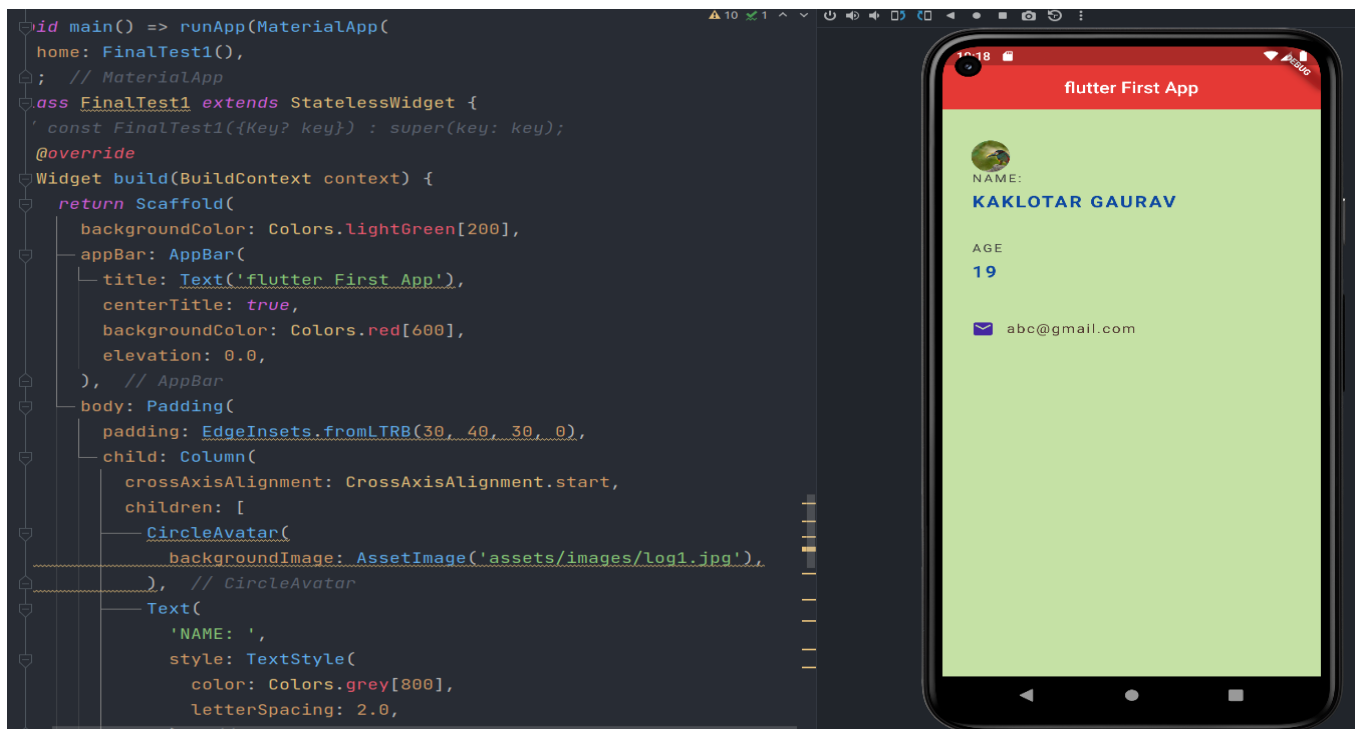
The direction is required.

## Final Test:

Update Pubsec.yaml file

assets:

- assets/images/



## Final Code:

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

// void main() {
//   runApp(const MaterialApp(home: HomeScreen()));
// }

/*
class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return const Scaffold(
      body: // only for padding purpose....
      Padding(
        padding: EdgeInsets.all(50),
        child: Text('Hello only padding'),
      ),
    );
  }
}
*/

/*
class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Row(
        children: [
          Text('HELLO ROW'),

```



```

    FlatButton(
      onPressed: () {},
      color: Colors.purple,
      child: Text('press me'),
    ),
    Container(
      color: Colors.cyanAccent,
      padding: EdgeInsets.all(50.0),
      child: Text('inside container'),
    ),
  ],
),
);
}
}
*/

/*
class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        crossAxisAlignment: CrossAxisAlignment.center,
        children: [
          Container(
            color: Colors.deepOrange[800],
            padding: EdgeInsets.all(30.0),
            child: Text('inside container 1'),
          ),
          Container(
            color: Colors.limeAccent,

```

```

        padding: EdgeInsets.all(50.0),
        child: Text('inside container 2'),
      ),
      Container(
        color: Colors.green[800],
        padding: EdgeInsets.all(70.0),
        child: Text('inside container 3'),
      ),
    ],
  ),
);
}
}
*/

/*
class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Center(
      child: Scaffold(
        body: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          crossAxisAlignment: CrossAxisAlignment.center,
          children: [
            Row(
              children: [
                Text('hello ddu,... '),
                Text(' ...Hello 5th sem students....')
              ],
            ),
            Padding(

```

```

padding: const EdgeInsets.all(8.0),
child: Container(
  color: Colors.deepOrange[800],
  padding: EdgeInsets.all(30.0),
  child: Text('inside container 1'),
),
),
Container(
  color: Colors.limeAccent,
  padding: EdgeInsets.all(50.0),
  child: Text('inside container 2'),
),
Container(
  color: Colors.green[800],
  padding: EdgeInsets.all(70.0),
  child: Text('inside container 3'),
),
],
),

floatingActionButton: FloatingActionButton(
  onPressed: (){},
  child: Text('Click'),
  backgroundColor: Colors.red[600],
),
),
);
}
}
*/

/*
class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

```

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Row and Column Layout'),
      centerTitle: true,
      backgroundColor: Colors.red[600],
    ),
    body: Row(
      children: [
        Expanded(
          child: Container(
            color: Colors.deepOrange[800],
            padding: EdgeInsets.all(50),
            child: Text('1'),
          ),
        ),
        Container(
          color: Colors.limeAccent,
          padding: EdgeInsets.all(50),
          child: Text('2'),
        ),
        Container(
          color: Colors.green[800],
          padding: EdgeInsets.all(50),
          child: Text('3'),
        ),
      ],
    ),

    floatingActionButton: FloatingActionButton(
      onPressed: () {},
      child: Text('Click'),
      backgroundColor: Colors.red[600],
    ),
  );
}
```

```

    );
  }
}
*/

// import 'package:flutter/material.dart';
void main() => runApp(MaterialApp(
  home: FinalTest1(),
));
class FinalTest1 extends StatelessWidget {
// const FinalTest1({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.lightGreen[200],
      appBar: AppBar(
        title: Text('flutter First App'),
        centerTitle: true,
        backgroundColor: Colors.red[600],
        elevation: 0.0,
      ),
      body: Padding(
        padding: EdgeInsets.fromLTRB(30, 40, 30, 0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            CircleAvatar(
              backgroundImage: AssetImage('assets/images/log1.jpg'),
            ),
            Text(
              'NAME: ',
              style: TextStyle(
                color: Colors.grey[800],
                letterSpacing: 2.0,
              ),
            ),
          ],
        ),
      ),
    );
  }
}

```

```
),
  SizedBox(height: 10),
  Text(
    'KAKLOTAR GAURAV',
    style: TextStyle(
      color: Colors.blue[900],
      letterSpacing: 2.0,
      fontWeight: FontWeight.bold,
      fontSize: 20.0,
    ),
  ),
  SizedBox(height: 40),
  Text(
    'AGE',
    style: TextStyle(
      color: Colors.grey[800],
      letterSpacing: 2.0,
    ),
  ),
  SizedBox(height: 10),
  Text(
    '19',
    style: TextStyle(
      color: Colors.blue[900],
      letterSpacing: 2.0,
      fontWeight: FontWeight.bold,
      fontSize: 20.0,
    ),
  ),
  SizedBox(height: 50),
  Row(
    children: [
      Icon(
        Icons.email_rounded,
```

```
        color: Colors.deepPurple[800],
      ),
      SizedBox(width: 12.0),
      Text(
        'abc@gmail.com',

        style: TextStyle(

          color: Colors.brown[800],
          fontSize: 16.0,
          letterSpacing: 1.5,

        ),
      )
    ],
  ),
],
),
),
),
);
}
}
```

**Github Link:**

<https://github.com/GauravKaklotar/SDP/tree/master/Lab08>