

# LAB 8

NAME: SINDHAL VISHAL JAYESHBHAI

ROLL NO: CE129

## 1) Code test 1:

- Code:

```
3 void main() => runApp(MaterialApp(  
4     debugShowCheckedModeBanner: false,  
5     home: HomeScreen(),  
6 )); // MaterialApp  
7  
8 class HomeScreen extends StatelessWidget {  
9     @override  
10    Widget build(BuildContext context) {  
11        return Scaffold(  
12            body: Padding(  
13                padding: EdgeInsets.all(50),  
14                child: Text('Hello only padding'),  
15            ), // Padding  
16        ); // Scaffold  
17    }  
18 }
```

- Output:

Hello only padding



2) Code test 2:

- Code:

```
3 void main() => runApp(MaterialApp(  
4     debugShowCheckedModeBanner: false,  
5     home: HomeScreen(),  
6 )); // MaterialApp  
7  
8 class HomeScreen extends StatelessWidget {  
9     @override  
10    Widget build(BuildContext context) {  
11        return Scaffold(  
12            body: Column(  
13                mainAxisAlignment: MainAxisAlignment.spaceAround,  
14                crossAxisAlignment: CrossAxisAlignment.stretch,  
15                children: [  
16                    Text('HELLO ROW'),  
17                    ElevatedButton(  
18                        onPressed: () {},  
19                        child: Text('press me'),  
20                    ), // ElevatedButton  
21                    Container(  
22                        color: Colors.cyanAccent,  
23                        padding: EdgeInsets.all(30.0),  
24                        child: Text('inside container'),  
25                    ), // Container  
26                ],  
27            ), // Column  
28        ); // Scaffold  
29    }  
30 }
```

- Output:

HELLO ROW

press me

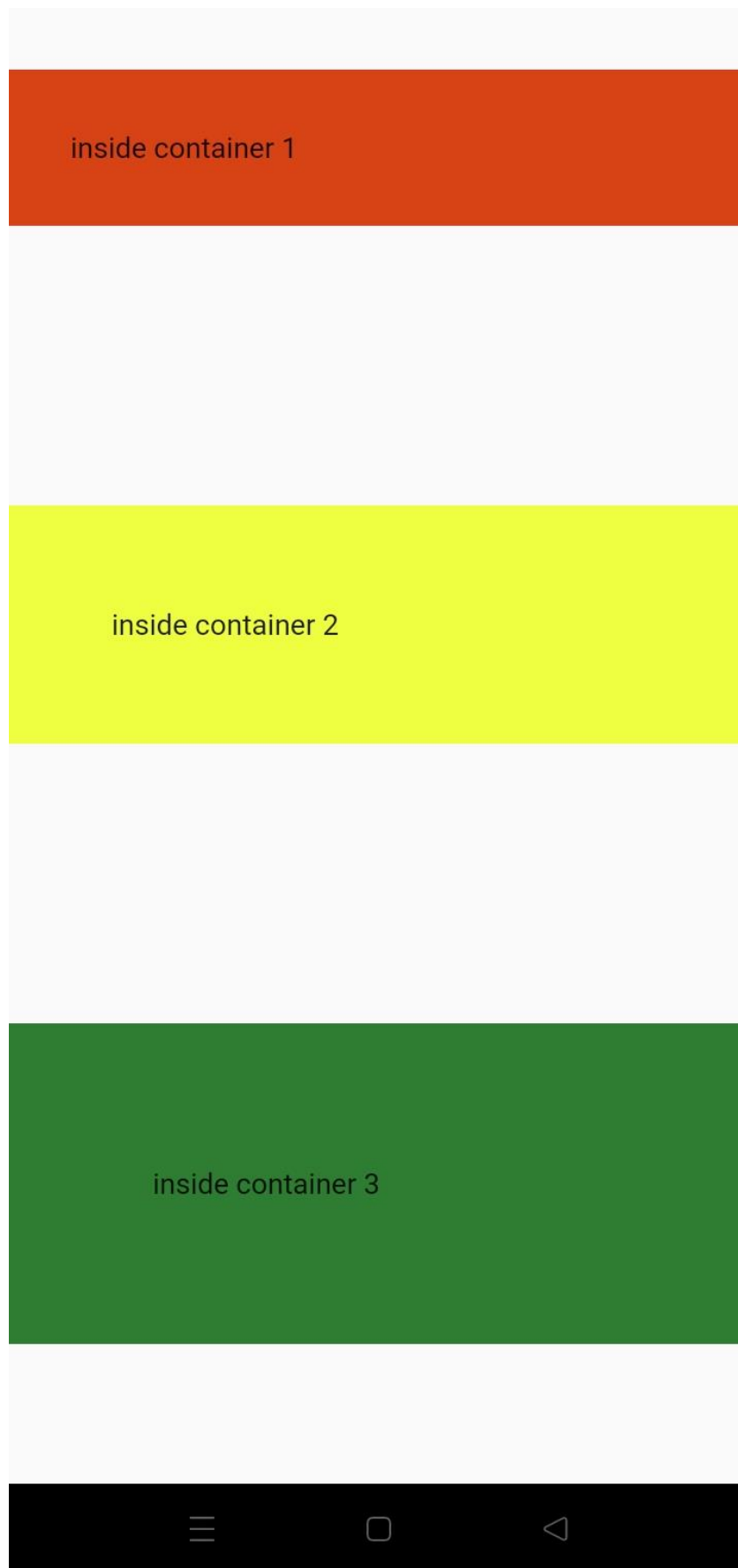
inside container



- Code:

```
3  void main() => runApp(MaterialApp(  
4      debugShowCheckedModeBanner: false,  
5      home: HomeScreen(),  
6  )); // MaterialApp  
7  
8  class HomeScreen extends StatelessWidget {  
9      @override  
10     Widget build(BuildContext context) {  
11         return Scaffold(  
12             body: Column(  
13                 mainAxisAlignment: MainAxisAlignment.spaceAround,  
14                 crossAxisAlignment: CrossAxisAlignment.stretch,  
15                 children: [  
16                     Container(  
17                         color: Colors.deepOrange[800],  
18                         padding: EdgeInsets.all(30.0),  
19                         child: Text('inside container 1'),  
20                     ), // Container  
21                     Container(  
22                         color: Colors.limeAccent,  
23                         padding: EdgeInsets.all(50.0),  
24                         child: Text('inside container 2'),  
25                     ), // Container  
26                     Container(  
27                         color: Colors.green[800],  
28                         padding: EdgeInsets.all(70.0),  
29                         child: Text('inside container 3'),  
30                     ), // Container  
31                 ],  
32             ), // Column  
33         ); // Scaffold  
34     }  
35 }
```

- Output:



- Code:

```

3 void main() => runApp(MaterialApp(
4     debugShowCheckedModeBanner: false,
5     home: HomeScreen(),
6 )); // MaterialApp
7
8 class HomeScreen extends StatelessWidget {
9     @override
10    Widget build(BuildContext context) {
11        return Scaffold(
12            body: Column(
13                mainAxisAlignment: MainAxisAlignment.spaceAround,
14                crossAxisAlignment: CrossAxisAlignment.stretch,
15                children: [
16                    Row(),
17                    Container(
18                        color: Colors.deepOrange[800],
19                        padding: EdgeInsets.all(30.0),
20                        child: Text('inside container 1'),
21                    ), // Container
22                    Container(
23                        color: Colors.limeAccent,
24                        padding: EdgeInsets.all(50.0),
25                        child: Text('inside container 2'),
26                    ), // Container
27                    Container(
28                        color: Colors.green[800],
29                        padding: EdgeInsets.all(70.0),
30                        child: Text('inside container 3'),
31                    ), // Container
32                ],
33            ), // Column
34        ); // Scaffold
35    }
36 }

```

- Output:



- Row and Column:



- Code:

```
3 void main() => runApp(MaterialApp(  
4     debugShowCheckedModeBanner: false,  
5     home: HomeScreen(),  
6 )); // MaterialApp  
7  
8 class HomeScreen extends StatelessWidget {  
9     @override  
10    Widget build(BuildContext context) {  
11        return Scaffold(  
12            body: Column(  
13                mainAxisAlignment: MainAxisAlignment.spaceAround,  
14                crossAxisAlignment: CrossAxisAlignment.stretch,  
15                children: [  
16                    Row(),  
17                    Container(  
18                        color: Colors.deepOrange[800],  
19                        padding: EdgeInsets.all(30.0),  
20                        child: Text('inside container 1'),  
21                    ), // Container  
22                    Container(  
23                        color: Colors.limeAccent,  
24                        padding: EdgeInsets.all(50.0),  
25                        child: Text('inside container 2'),  
26                    ), // Container  
27                    Container(  
28                        color: Colors.green[800],  
29                        padding: EdgeInsets.all(70.0),  
30                        child: Text('inside container 3'),  
31                    ), // Container  
32                ],  
33            ), // Column  
34        ); // Scaffold  
35    }  
36 }
```

- Output:

hello ddu,... ..Hello 5th sem students....

inside container 1

inside container 2

inside container 3



- Code:

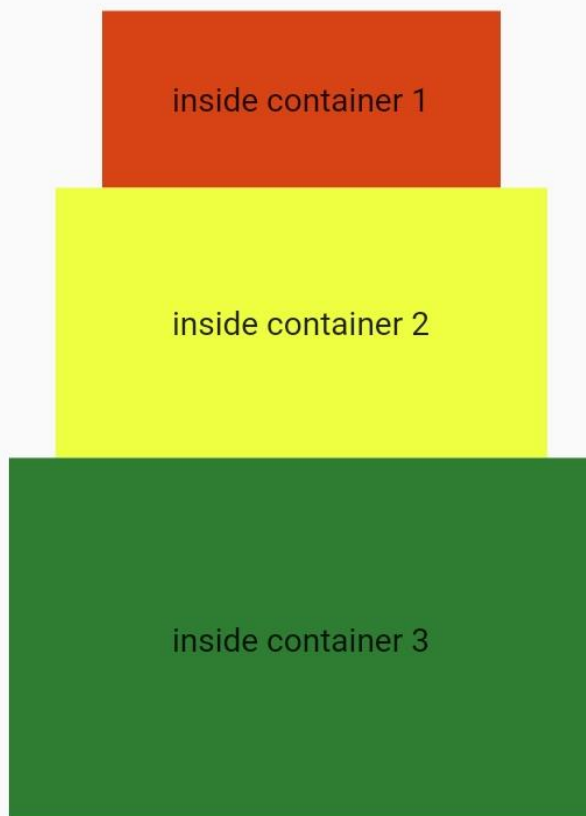
```

8  class HomeScreen extends StatelessWidget {
9      @override
10     widget build(BuildContext context) {
11         return Scaffold(
12             appBar: AppBar(
13                 title: const Text("Row and Column Layout"),
14                 centerTitle: true,
15                 backgroundColor: Colors.red[600],
16             ), // AppBar
17             body: Column(
18                 mainAxisAlignment: MainAxisAlignment.center,
19                 crossAxisAlignment: CrossAxisAlignment.center,
20                 children: [
21                     Container(
22                         color: Colors.deepOrange[800],
23                         padding: EdgeInsets.all(30.0),
24                         child: Text('inside container 1'),
25                     ), // Container
26                     Row(),
27                     Container(
28                         color: Colors.limeAccent,
29                         padding: EdgeInsets.all(50.0),
30                         child: Text('inside container 2'),
31                     ), // Container
32                     Container(
33                         color: Colors.green[800],
34                         padding: EdgeInsets.all(70.0),
35                         child: Text('inside container 3'),
36                     ), // Container
37                 ],
38             ), // Column
39         ); // Scaffold
40     }
41 }

```

- Output:

## Row and Column Layout



- Code:

```

8 class HomeScreen extends StatelessWidget {
9   @override
10   Widget build(BuildContext context) {
11     return Scaffold(
12       appBar: AppBar(
13         title: const Text("Row and Column Layout"),
14         centerTitle: true,
15         backgroundColor: Colors.red[600],
16       ), // AppBar
17       body: Column(
18         mainAxisAlignment: MainAxisAlignment.end,
19         crossAxisAlignment: CrossAxisAlignment.end,
20         children: [
21           Row(),
22           Container(
23             color: Colors.deepOrange[800],
24             padding: EdgeInsets.all(30.0),
25             child: Text('inside container 1'),
26           ), // Container
27           Row(),
28           Container(
29             color: Colors.limeAccent,
30             padding: EdgeInsets.all(50.0),
31             child: Text('inside container 2'),
32           ), // Container
33           Container(
34             color: Colors.green[800],
35             padding: EdgeInsets.all(70.0),
36             child: Text('inside container 3'),
37           ), // Container
38         ],
39       ), // Column
40     ); // Scaffold
41   }
42 }

```

- Output:

## Row and Column Layout

inside container 1

inside container 2

inside container 3



- Code:

```
8 class HomeScreen extends StatelessWidget {
9   @override
10   Widget build(BuildContext context) {
11     return Scaffold(
12       appBar: AppBar(
13         title: const Text("Row and Column Layout"),
14         centerTitle: true,
15         backgroundColor: Colors.red[600],
16       ), // AppBar
17       body: Column(
18         mainAxisAlignment: MainAxisAlignment.end,
19         crossAxisAlignment: CrossAxisAlignment.end,
20         children: [
21           Row(
22             children: [
23               Text('hello ddu,... '),
24               Text('...Hello 5th sem students...')
25             ],
26           ), // Row
27           Container(
28             color: Colors.deepOrange[800],
29             padding: EdgeInsets.all(30.0),
30             child: Text('inside container 1'),
31           ), // Container
32           Row(),
33           Container(
34             color: Colors.limeAccent,
35             padding: EdgeInsets.all(50.0),
36             child: Text('inside container 2'),
37           ), // Container
38           Container(
39             color: Colors.green[800],
40             padding: EdgeInsets.all(70.0),
41             child: Text('inside container 3'),
42           ), // Container
43         ],
44       ), // Column
45     );
46   }
47 }
```

- Output:

## Row and Column Layout

hello ddu,... ..Hello 5th sem students....

inside container 1

inside container 2

inside container 3

- Code:



```

8  class HomeScreen extends StatelessWidget {
9      @override
10     widget build(BuildContext context) {
11         return Scaffold(
12             appBar: AppBar(
13                 title: const Text("Row and Column Layout"),
14                 centerTitle: true,
15                 backgroundColor: Colors.red[600],
16             ), // AppBar
17             body: Column(
18                 mainAxisAlignment: MainAxisAlignment.center,
19                 crossAxisAlignment: CrossAxisAlignment.end,
20                 children: [
21                     Padding(
22                         padding: const EdgeInsets.all(8.0),
23                         child: Container(
24                             color: Colors.deepOrange[800],
25                             padding: EdgeInsets.all(30.0),
26                             child: Text('inside container 1'),
27                         ), // Container
28                     ), // Padding
29                     Row(),
30                     Padding(
31                         padding: const EdgeInsets.all(8.0),
32                         child: Container(
33                             color: Colors.limeAccent,
34                             padding: EdgeInsets.all(50.0),
35                             child: Text('inside container 2'),
36                         ), // Container
37                     ), // Padding
38                     Padding(
39                         padding: const EdgeInsets.all(8.0),
40                         child: Container(
41                             color: Colors.green[800],
42                             padding: EdgeInsets.all(70.0),
43                             child: Text('inside container 3'),
44                         ), // Container

```

- Output:

## Row and Column Layout

inside container 1

inside container 2

inside container 3



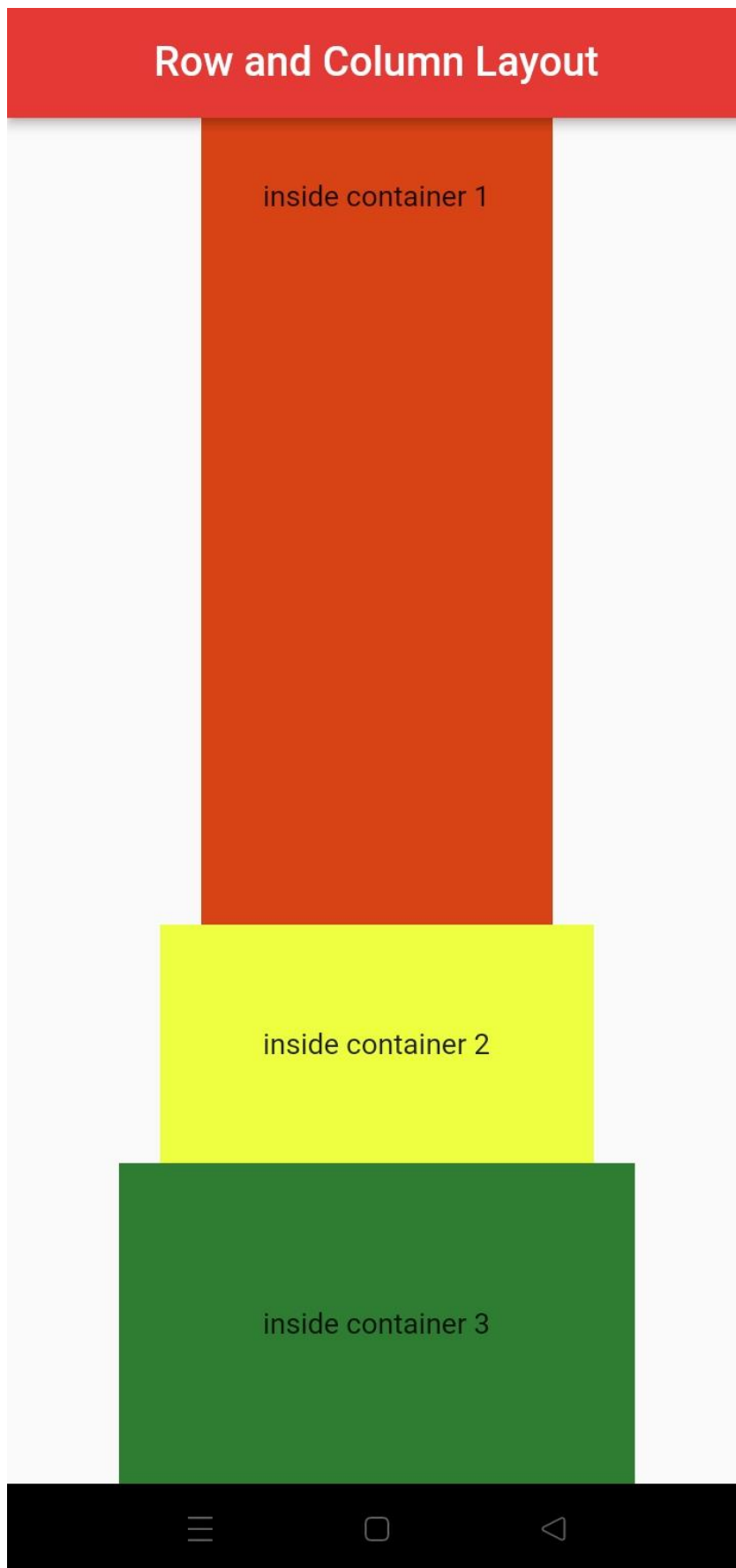
- Code:

```

8  class HomeScreen extends StatelessWidget {
9      @override
10     Widget build(BuildContext context) {
11         return Scaffold(
12             appBar: AppBar(
13                 title: const Text("Row and Column Layout"),
14                 centerTitle: true,
15                 backgroundColor: Colors.red[600],
16             ), // AppBar
17             body: Column(
18                 mainAxisAlignment: MainAxisAlignment.center,
19                 crossAxisAlignment: CrossAxisAlignment.center,
20                 children: [
21                     Expanded(
22                         child: Container(
23                             color: Colors.deepOrange[800],
24                             padding: EdgeInsets.all(30.0),
25                             child: Text('inside container 1'),
26                         ), // Container
27                     ), // Expanded
28                     Row(),
29                     Container(
30                         color: Colors.limeAccent,
31                         padding: EdgeInsets.all(50.0),
32                         child: Text('inside container 2'),
33                     ), // Container
34                     Container(
35                         color: Colors.green[800],
36                         padding: EdgeInsets.all(70.0),
37                         child: Text('inside container 3'),
38                     ), // Container
39                 ],
40             ), // Column
41         ); // Scaffold
42     }
43 }

```

- Output:



- Code:

```

8  class HomeScreen extends StatelessWidget {
9      @override
10     Widget build(BuildContext context) {
11         return Scaffold(
12             appBar: AppBar(
13                 title: const Text("Row and Column Layout"),
14                 centerTitle: true,
15                 backgroundColor: Colors.red[600],
16             ), // AppBar
17             body: Row(
18                 mainAxisAlignment: MainAxisAlignment.center,
19                 crossAxisAlignment: CrossAxisAlignment.center,
20                 children: [
21                     Expanded(
22                         child: Container(
23                             color: Colors.deepOrange[800],
24                             padding: EdgeInsets.all(30.0),
25                             child: Text('inside container 1'),
26                         ), // Container
27                     ), // Expanded
28                     Row(),
29                     Container(
30                         color: Colors.limeAccent,
31                         padding: EdgeInsets.all(50.0),
32                         child: Text('inside container 2'),
33                     ), // Container
34                     Container(
35                         color: Colors.green[800],
36                         padding: EdgeInsets.all(70.0),
37                         child: Text('inside container 3'),
38                     ), // Container
39                 ],
40             ), // Row
41         ); // Scaffold
42     }
43 }

```

- Output:

# Row and Column Layout

