

2.b) Implement different layout structures using Row, Column, and Stack Widgets?

1. Row Layout:

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

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          title: Text('Row Layout'),
        ),
        body: Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: <Widget>[
            Container(
              color: Colors.red,
              width: 100,
              height: 100,
            ),
            Container(
              color: Colors.green,
              width: 100,
              height: 100,
            ),
            Container(
              color: Colors.blue,
              width: 100,
              height: 100,
            ),
          ],
        ),
      ),
    );
  }
}
```

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

2.Column Layout:

```
import 'package:flutter/material.dart';  
  
void main() {  
  runApp(MyApp());  
}  
  
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      home: Scaffold(  
        appBar: AppBar(  
          title: Text('Column Layout'),  
        ),  
        body: Column(  
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,  
          children: <Widget>[  
            Container(  
              color: Colors.red,  
              width: 100,  
              height: 100,  
            ),  
            Container(  
              color: Colors.green,  
              width: 100,  
              height: 100,  
            ),  
          ],  
        ),  
      ),  
    );  
  }  
}
```

```
),
Container(
color: Colors.blue,
width: 100,
height: 100,
),
],
),
),
),
);
}
}
```

3. Stack Layout:

```
import 'package:flutter/material.dart';
void main() {
runApp(MyApp());
}
class MyApp extends StatelessWidget {
@Override
Widget build(BuildContext context) {
return MaterialApp(
home: Scaffold(
appBar: AppBar(
title: Text('Stack Layout'),
),
body: Stack(
alignment: Alignment.center,
children: <Widget>[
Container(
color: Colors.red,
width: 200,
height: 200,
),
Container(
color: Colors.green,
width: 150,
height: 150,
),
Container(
color: Colors.blue,
width: 100,
```

height: 100,
),
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],
),
),
);
{}
}}