

Task—1

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

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

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Flutter Demo',
      theme: ThemeData(
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: MyHomePage(
        title: 'BOLT',
      ),
    );
  }
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

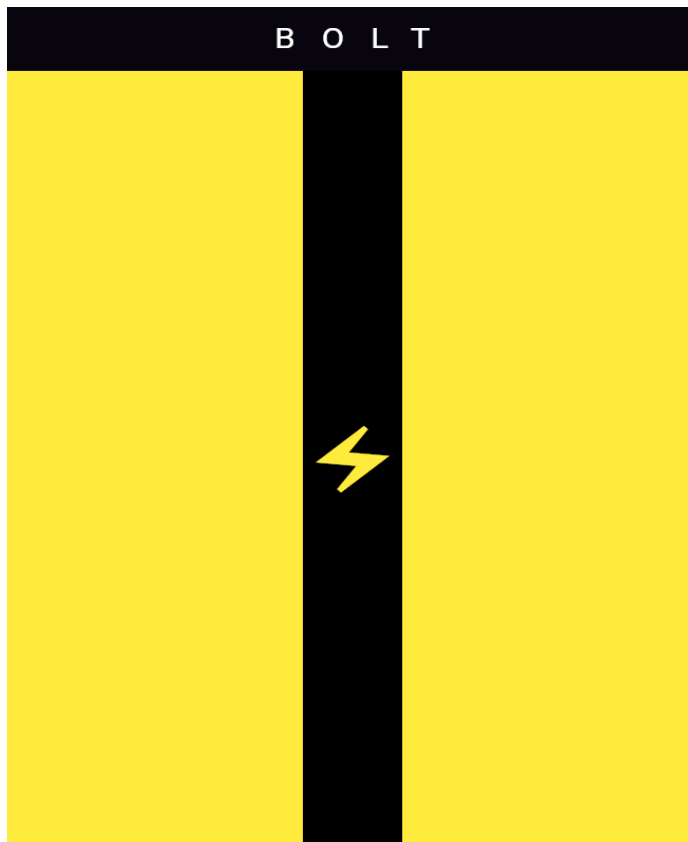
class _MyHomePageState extends State<MyHomePage> {
  @override
  Widget build(BuildContext context) {
    return SafeArea(
      child: Scaffold(
        backgroundColor: const Color(0xFFEFF1F3),
        appBar: AppBar(
          backgroundColor: Colors.black,
          elevation: 3,
          title: const Text(
            'BOLT',
            style: TextStyle(
              color: Color(0xFFFFffffff), letterSpacing: 20, fontSize: 25),
          ),
          centerTitle: true,
        ),
        body: Row(
          children: [
            Expanded(
              flex: 3,
              child: Container(
```

```

        height: 950,
        color: Colors.yellow,
      )),
      Expanded(
        child: Container(
          height: 950,
          color: Colors.black,
          child: Icon(
            Icons.electric_bolt_sharp,
            color: Colors.yellow,
            size: 70,
          ),
        )),
      Expanded(
        flex: 3,
        child: Container(
          height: 950,
          color: Colors.yellow,
        )),
    ],
  ),
);
}
}

```

Output—



Task – 2

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

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

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Flutter Demo',
      theme: ThemeData(
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: MyHomePage(
        title: 'BOLT',
      ),
    );
  }
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  @override
  Widget build(BuildContext context) {
    return SafeArea(
      child: Scaffold(
        backgroundColor: const Color(0xFFEFF1F3),
        appBar: AppBar(
          backgroundColor: Colors.black,
          elevation: 3,
          title: const Text(
            'THE WALL',
            style: TextStyle(color: Color(0xFFFFffff), fontSize: 25),
          ),
          centerTitle: true,
        ),
        body: Column(
          children: [
            Row(
              children: [
                Expanded(
                  flex: 2,
```

```

        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              top: BorderSide(color: Colors.white, width: 7),
              bottom: BorderSide(color: Colors.white, width: 7),
            ),
            color: Color(0xFF5D4037),
          )),
      ),
      Expanded(
        flex: 4,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              right: BorderSide(color: Colors.white, width: 7),
              top: BorderSide(color: Colors.white, width: 7),
              bottom: BorderSide(color: Colors.white, width: 7),
              left: BorderSide(color: Colors.white, width: 7)),
            color: Color(0xFF5D4037)),
          ),
      ),
      Expanded(
        flex: 2,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              top: BorderSide(color: Colors.white, width: 7),
              bottom: BorderSide(color: Colors.white, width: 7),
            ),
            color: Color(0xFF5D4037)),
          ),
      ),
    ],
  ),
  Row(
    children: [
      Expanded(
        flex: 3,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              bottom: BorderSide(color: Colors.white, width: 7),
            ),
            color: Color(0xFF5D4037),
          )),
      ),
      Expanded(
        flex: 2,
        child: Container(

```

```

        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            right: BorderSide(color: Colors.white, width: 7),
            bottom: BorderSide(color: Colors.white, width: 7),
            left: BorderSide(color: Colors.white, width: 7)),
          color: Color(0xFF5D4037)),
      ),
    ),
    Expanded(
      flex: 3,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            bottom: BorderSide(color: Colors.white, width: 7),
          ),
          color: Color(0xFF5D4037)),
      ),
    ),
  ],
),
Row(
  children: [
    Expanded(
      flex: 2,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            bottom: BorderSide(color: Colors.white, width: 7),
          ),
          color: Color(0xFF5D4037),
        )),
    ),
    Expanded(
      flex: 4,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            right: BorderSide(color: Colors.white, width: 7),
            bottom: BorderSide(color: Colors.white, width: 7),
            left: BorderSide(color: Colors.white, width: 7)),
          color: Color(0xFF5D4037)),
      ),
    ),
    Expanded(
      flex: 2,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(

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```

        border: Border(
          bottom: BorderSide(color: Colors.white, width: 7),
        ),
        color: Color(0xFF5D4037)),
      ),
    ],
  ),
  Row(
    children: [
      Expanded(
        flex: 3,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              bottom: BorderSide(color: Colors.white, width: 7),
            ),
            color: Color(0xFF5D4037),
          )),
      ),
      Expanded(
        flex: 2,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              right: BorderSide(color: Colors.white, width: 7),
              bottom: BorderSide(color: Colors.white, width: 7),
              left: BorderSide(color: Colors.white, width: 7)),
            color: Color(0xFF5D4037)),
          ),
      ),
      Expanded(
        flex: 3,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(
            border: Border(
              bottom: BorderSide(color: Colors.white, width: 7),
            ),
            color: Color(0xFF5D4037)),
          ),
      ),
    ],
  ),
  Row(
    children: [
      Expanded(
        flex: 2,
        child: Container(
          // width: 500,
          height: 90,
          decoration: BoxDecoration(

```

```

        border: Border(
          bottom: BorderSide(color: Colors.white, width: 7),
        ),
        color: Color(0xFF5D4037),
      )),
    ),
    Expanded(
      flex: 4,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            right: BorderSide(color: Colors.white, width: 7),
            bottom: BorderSide(color: Colors.white, width: 7),
            left: BorderSide(color: Colors.white, width: 7)),
          color: Color(0xFF5D4037)),
        ),
      ),
    Expanded(
      flex: 2,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            bottom: BorderSide(color: Colors.white, width: 7),
          ),
          color: Color(0xFF5D4037)),
        ),
      ),
    ),
  ],
),
Row(
  children: [
    Expanded(
      flex: 3,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            bottom: BorderSide(color: Colors.white, width: 7),
          ),
          color: Color(0xFF5D4037),
        )),
    ),
    Expanded(
      flex: 2,
      child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
          border: Border(
            right: BorderSide(color: Colors.white, width: 7),
            bottom: BorderSide(color: Colors.white, width: 7),
            left: BorderSide(color: Colors.white, width: 7)),

```

```

        color: Color(0xFF5D4037)),
    ),
),
Expanded(
    flex: 3,
    child: Container(
        // width: 500,
        height: 90,
        decoration: BoxDecoration(
            border: Border(
                bottom: BorderSide(color: Colors.white, width: 7),
            ),
            color: Color(0xFF5D4037)),
        ),
    ),
),
],
),
Row(
    children: [
        Expanded(
            flex: 2,
            child: Container(
                // width: 500,
                height: 90,
                decoration: BoxDecoration(
                    border: Border(
                        bottom: BorderSide(color: Colors.white, width: 7),
                    ),
                    color: Color(0xFF5D4037),
                )),
        ),
        Expanded(
            flex: 4,
            child: Container(
                // width: 500,
                height: 90,
                decoration: BoxDecoration(
                    border: Border(
                        right: BorderSide(color: Colors.white, width: 7),
                        bottom: BorderSide(color: Colors.white, width: 7),
                        left: BorderSide(color: Colors.white, width: 7)),
                    color: Color(0xFF5D4037)),
                ),
        ),
        Expanded(
            flex: 2,
            child: Container(
                // width: 500,
                height: 90,
                decoration: BoxDecoration(
                    border: Border(
                        bottom: BorderSide(color: Colors.white, width: 7),
                    ),
                    color: Color(0xFF5D4037)),
                ),
        ),
    ],
),
],

```



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

Output:--

A large graphic of a brick wall. The top section is a solid black horizontal bar with the text "THE WALL" in white, uppercase, sans-serif font. Below this bar is a pattern of brown rectangular bricks arranged in a staggered, running bond pattern. The bricks are separated by thin white lines representing mortar. The wall pattern extends to the bottom of the page.

Task—3

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

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

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Flutter Demo',
      theme: ThemeData(
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: MyHomePage(
        title: 'BOLT',
      ),
    );
  }
}

class MyHomePage extends StatefulWidget {
  MyHomePage({super.key, required this.title});

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  var List1 = [1, 2, 3, 4, 5, 6, 7];
  var List2 = [8, 9, 10, 11, 12, 13, 14, 15, 16, 17];

  @override
  Widget build(BuildContext context) {
    return SafeArea(
      child: Scaffold(
        backgroundColor: const Color(0xFFEFF1F3),
        appBar: AppBar(
          backgroundColor: Colors.black,
          elevation: 3,
          title: const Text(
            'SPLITTER',
            style: TextStyle(color: Color(0xFFFFFFFF), fontSize: 25),
          ),
          centerTitle: true,
        ),
        body: Column(
          children: [
            Expanded(
```

```

child: SingleChildScrollView(
  child: Container(
    color: Color(0xFFFF9800),
    child: Column(
      children: List1.map(
        (e) => Padding(
          padding: const EdgeInsets.all(8.0),
          child: Center(
            child: Container(
              color: Color(0xFFFFC107),
              height: 50,
              width: double.infinity,
              child: Center(child: Text(e.toString()))),
          ),
        ),
      ).toList(),
    ),
  ),
),
Expanded(
  child: SingleChildScrollView(
    scrollDirection: Axis.horizontal,
    child: Container(
      color: Color(0xFFFF5722),
      child: Row(
        children: List2.map(
          (e) => Padding(
            padding: const EdgeInsets.all(8.0),
            child: Center(
              child: Container(
                color: Color(0xFF9E9E9E),
                height: double.infinity,
                width: 50,
                child: Center(
                  child: Text(
                    e.toString(),
                  ),
                ),
              ),
            ),
          ),
        ).toList(),
      ),
    ),
  ),
),
);
}

```

Output:--

