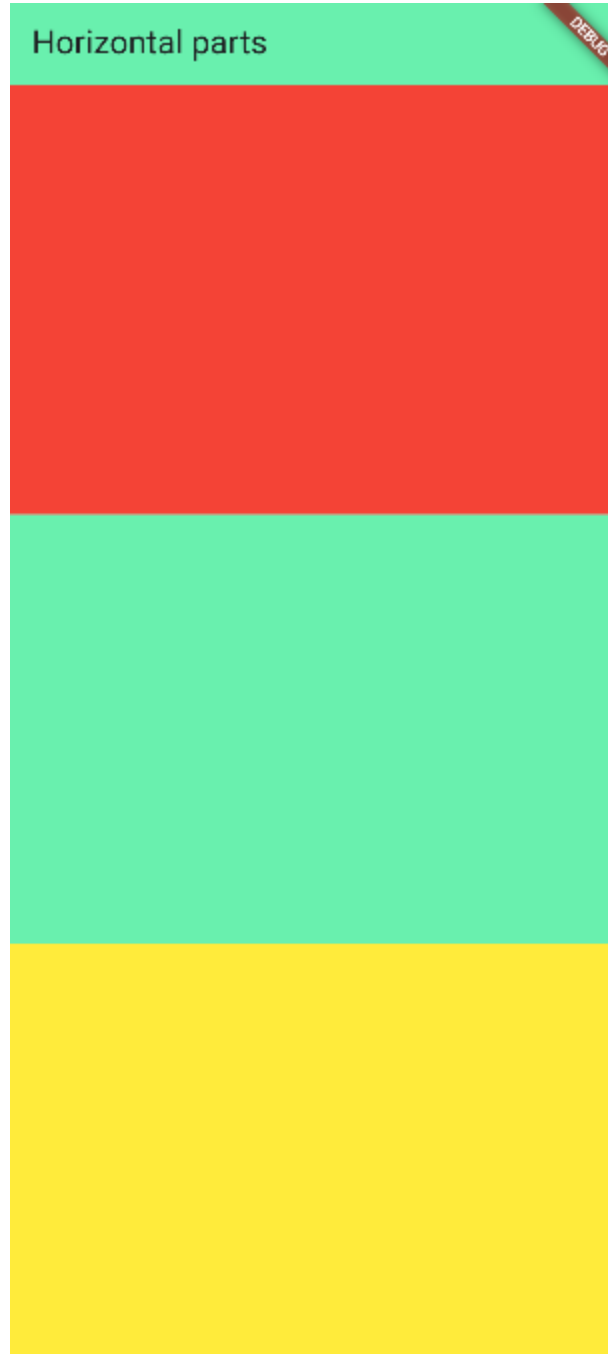**4.2. W.A.P. to divide horizontal space of the screen into 3 different equal parts with different colors. (A)**

Code:

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

class HorizontalParts extends StatelessWidget {
  const HorizontalParts({super.key});
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Colors.greenAccent,
        title: const Text("Horizontal parts"),
      ),
      body: Column(
        children: [
          Expanded(
            child: Container(
              // height: 100,
              color: Colors.red,
            ),
          ),
          Expanded(
            child: Container(
              color: Colors.greenAccent,
            ),
          ),
          Expanded(
            child: Container(color: Colors.yellow),
          )
        ],
      ),
    );
  }
}
```

Output:

4.3. W.A.P. to divide the vertical space of the screen into 3 different equal parts with different colors. (A)
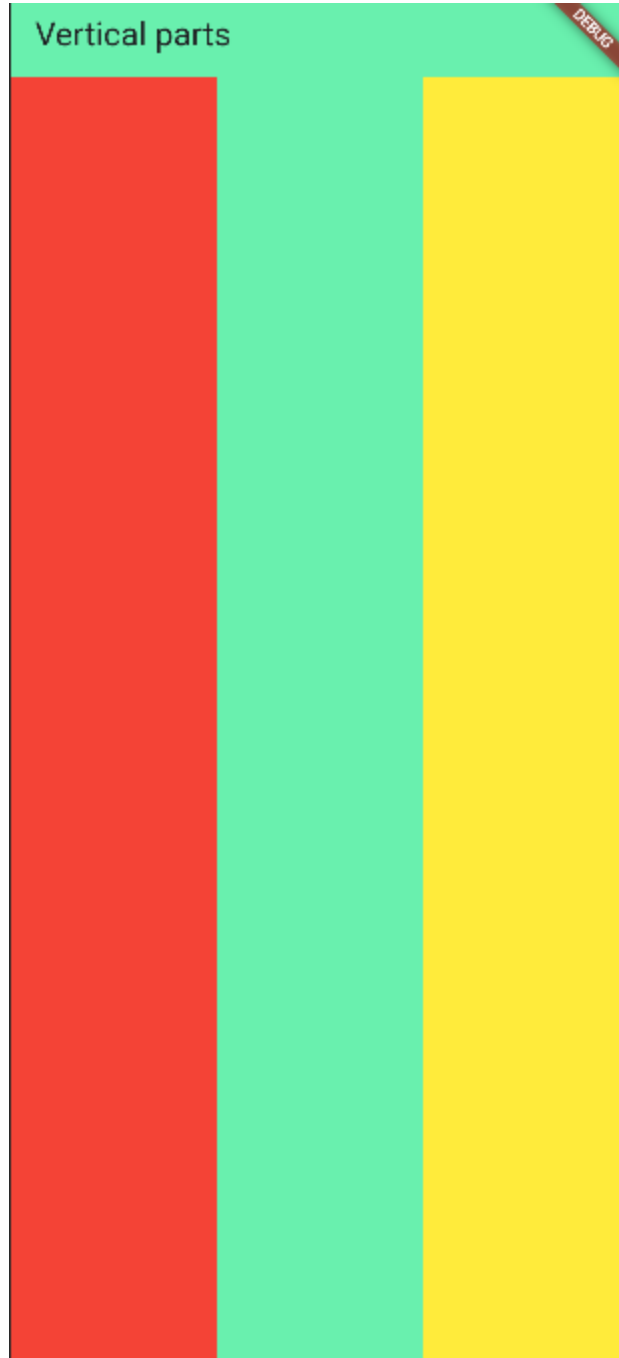
Code:

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

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Colors.greenAccent,
        title: const Text("Vertical parts"),
      ),
      body: Row(
        children: [
          Expanded(
            child: Container(
              // height: 100,
              color: Colors.red,
            ),
          ),
          Expanded(
            child: Container(
              color: Colors.greenAccent,
            ),
          ),
          Expanded(
            child: Container(color: Colors.yellow),
          )
        ],
      ),
    );
  }
}
```

Output:

4.4 W.A.P. to divide the whole screen into 9 (equal size and different size) with different colors. (B)

Code for equal size:

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

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text("9 equals parts"),
      ),
      body: Column(
        children: [
          Expanded(
            child: Row(
              children: [
                Expanded(
                  child: Container(
                    color: Colors.greenAccent,
                  )),
                Expanded(
                  child: Container(
                    color: Colors.red,
                  )),
                Expanded(
                  child: Container(
                    color: Colors.orangeAccent,
                  ))
              ],
            )),
          Expanded(
            child: Row(
              children: [
                Expanded(
```
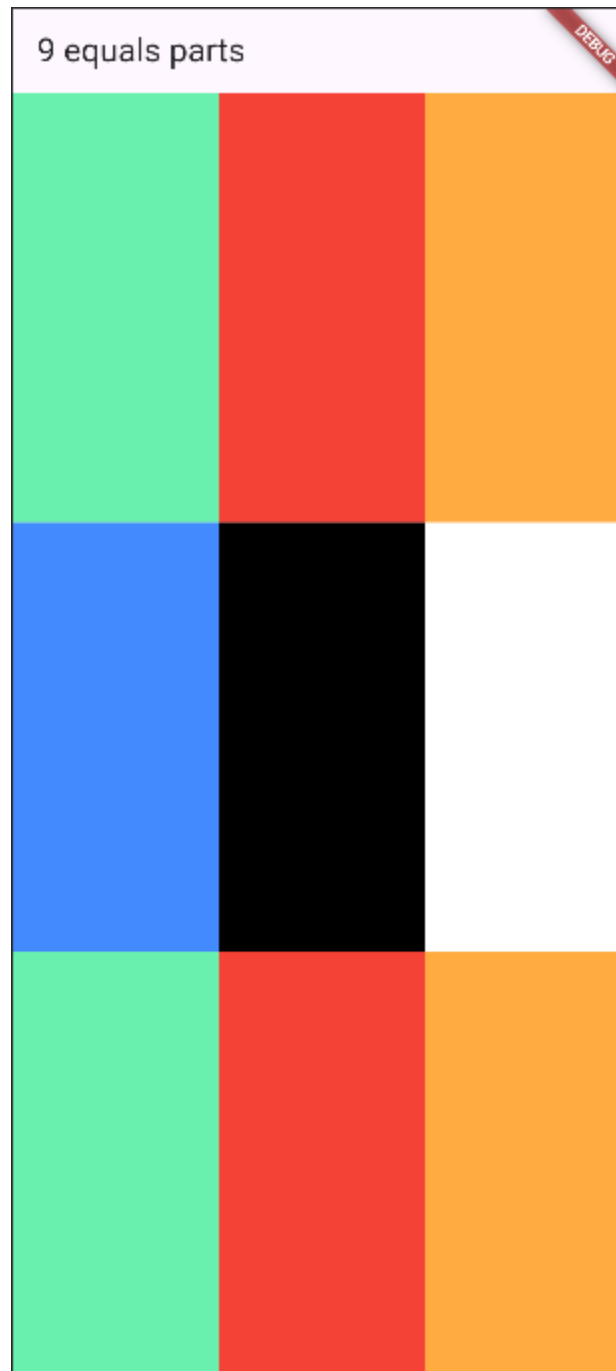
```
          child: Container(
            color: Colors.blueAccent,
          )),
        Expanded(
          child: Container(
            color: Colors.black,
          )),
        Expanded(
          child: Container(
            color: Colors.white,
          ))
      ],
    )),
  Expanded(
    child: Row(
      children: [
        Expanded(
          child: Container(
            color: Colors.greenAccent,
          )),
        Expanded(
          child: Container(
            color: Colors.red,
          )),
        Expanded(
          child: Container(
            color: Colors.orangeAccent,
          ))
      ],
    )),
],
),
);
}
}
```

Output:

4.4 W.A.P. to divide the whole screen into 9 (equal size and different size) with different colors. (B)

Code for different size:

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

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text("9 equals parts"),
      ),
      body: Column(
        children: [
          Expanded(
            child: Row(
              children: [
                Expanded(
                  child: Container(
                    color: Colors.greenAccent,
                  )),
                Expanded(
                  flex: 4,
                  child: Container(
                    color: Colors.red,
                  )),
                Expanded(
                  child: Container(
                    color: Colors.orangeAccent,
                  ))
              ],
            )),
          Expanded(
            child: Row(
              children: [
```

```
                Expanded(
                  child: Container(
                    color: Colors.blueAccent,
                  )),
                Expanded(
                  child: Container(
                    color: Colors.black,
                  )),
                Expanded(
                  child: Container(
                    color: Colors.white,
                  ))
              ],
            )),
          Expanded(
            child: Row(
              children: [
                Expanded(
                  child: Container(
                    color: Colors.greenAccent,
                  )),
                Expanded(
                  child: Container(
                    color: Colors.red,
                  )),
                Expanded(
                  flex: 3,
                  child: Container(
                    color: Colors.orangeAccent,
                  ))
              ],
            )),
        ],
      ),
    );
  }
}
```

Output: