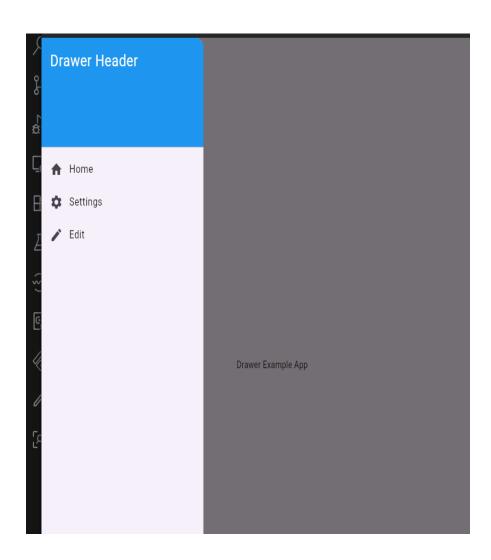
```
void main() => runApp(MyApp());
@override
Widget build(BuildContext context) {
  return MaterialApp(
    home: Scaffold(
      appBar: AppBar(title: Text('Drawer Example')),
      drawer: Drawer(
         child: ListView(
           padding: EdgeInsets.zero,
           children: <Widget>[
            DrawerHeader(
              child: Text(
                 style: TextStyle(color: Colors.white, fontSize: 24),
             ),
             ListTile(
              leading: Icon(Icons.home),
              title: Text('Home'),
              onTap: () => Navigator.pop(context),
             ),
             ListTile(
               leading: Icon(Icons.settings),
              title: Text('Settings'),
              onTap: () => Navigator.pop(context),
            ),
            ListTile(
              leading: Icon(Icons.edit),
              title: Text('Edit'),
              onTap: () => Navigator.pop(context),
       body: Center(child: Text('Drawer Example App')),
```

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



```
import 'package:flutter/material.dart';
void main() => runApp(MyApp());
class MyApp extends StatelessWidget {
@override
Widget build(BuildContext context) {
      appBar: AppBar(title:
Text('FloatingActionButton Example')),
      body: Center(child: Text('Press the
button below!')),
      floatingActionButton:
FloatingActionButton(
        onPressed: () {
          print('Button Pressed!');
Color.fromARGB(255, 213, 11, 58),
```

```
FloatingActionButton Example
                                        Press the button below!
⊗ 1 △ 0 ⊙ 6 SonarQube focus: overall code
```

```
void main() => runApp(MyApp());
                                                          Container Example
class MyApp extends StatelessWidget {
@override
Widget build(BuildContext context) {
       appBar: AppBar(title: Text('Container
Example')),
       body: Center(
          child: Container(
            padding: EdgeInsets.all(35),
            margin: EdgeInsets.all(20),
            alignment: Alignment.center,
                                                                 Hello! I am in the container widget
            transform: Matrix4.rotationZ(0.1),
            child: Text(
             style: TextStyle(fontSize: 25),
                                                         ⊗ 1 ≜ 0 ① 4 SonarQube focus: overall code
```

```
void main() => runApp(MyApp());
class MyApp extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
                                            Container Example
       appBar: AppBar(title:
Text('Container Example')),
       body: Center(
         child: Container(
           padding: EdgeInsets.all(10),
           margin: EdgeInsets.all(35),
                                                        Hello! I am in the container
           height: 150.0, // bigger
height
           color: Colors.red,
           transform:
Matrix4.rotationZ(0.2),
           child: Text(
container widget",
                                           style: TextStyle(fontSize:
20), // smaller font size
             textAlign: TextAlign.center, // center the text inside
           ),
       ),
```

```
void main() => runApp(MyApp());
class MyApp extends StatelessWidget
                                          Constraints Example
 @override
 Widget build(BuildContext context)
       appBar: AppBar(
         title: Text('Constraints
Example'),
       ),
       body: Center(
         child: Container(
           constraints:
BoxConstraints(
             minHeight: 100,
                                                         Constrained Container
             maxHeight: 200,
           child: Center(
              child: Text(
                'Constrained
Container',
                style: TextStyle(
                  color:
Colors.white,
```

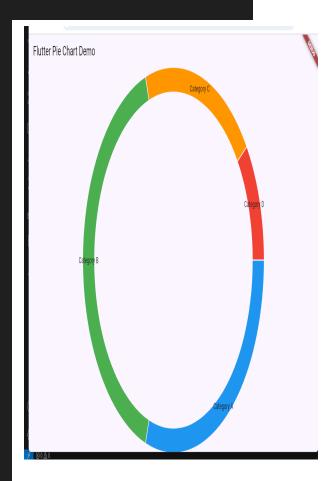
```
void main() {
                                                      flt-semantics-placeholder 1 × 1
runApp(MyApp());
class MyApp extends StatelessWidget {
@override
Widget build(BuildContext context) {
  return MaterialApp(
       appBar: AppBar(title: Text('Row Widget
Example')),
      body: Center(
         child: Row(
           mainAxisAlignment:
MainAxisAlignment.center,
           children: [
             Container (width: 50, height: 50,
color: Colors.red),
between boxes
             Container (width: 50, height: 50,
color: Colors.green),
between boxes
             Container (width: 50, height: 50, color: Colors.blue),
         ),
       ),
     ),
```

```
void main() {
runApp(const MyApp());
class MyApp extends StatelessWidget {
const MyApp({Key? key}) : super(key: key);
@override
Widget build(BuildContext context) {
                                                   Exercise-03
  return MaterialApp(
     home: Scaffold(
       appBar: AppBar(title: const
Text('Exercise-03')),
       body: const MyHomePage(),
                                                             Performing hot restart...
const MyHomePage({Key? key}) : super(key:
                                                       Click Me
                                                             Restarted application in 50ms.
key);
@override
State<MyHomePage> createState() =>
MyHomePageState();
class MyHomePageState extends
State<MyHomePage> {
String displayText = '';
@override
Widget build(BuildContext context) {
    child: Row(
       mainAxisAlignment: MainAxisAlignment.center,
```

```
import 'package:flutter/material.dart';
void main() {
  runApp(ElevatedButtonApp());
                                                        99
                                                                                    class ElevatedButtonApp extends
                                                            ElevatedButton Example
                                                                                    · ▼<body flt-e
StatelessWidget {
                                                                                     g: 0px; mar
  @override
  Widget build(BuildContext context) {
                                                                                      label="Ena
    return MaterialApp(
                                                                                      <script sr
      title: 'ElevatedButton Example',
      home: Scaffold(
         appBar: AppBar(
           title: Text(
              'ElevatedButton Example',
             style: TextStyle(color:
Colors.white),
        body: Center(
           child: ElevatedButton(
             onPressed: () {
                // Action when button is
pressed
               print('Button Clicked!');
                                                                                   html body
                                                                                   Styles Compu
             style:
ElevatedButton.styleFrom(
                                                                                    ₹ Filter
               backgroundColor:
Colors.blue, // button background
                                                                                     position: fi
                                                                                     inset: ▶ 0px;
               foregroundColor:
                                                                                     overflow: ▶
Colors.white, // button text color
                                                                                     padding: ▶ 0p
                                                                                     margin: ▶ 0px
                                                                                     user-select:
             child: Text('Click Me'),
    ); }}
```

```
void main() => runApp(MyApp());
                                                                                 ▶ <head> @</
                                                            ElevatedButton Example
                                                                                 · ▼<body flt-e
class MyApp extends StatelessWidget {
 @override
                                                                                   label="En
 Widget build(BuildContext context) {
                                                                                   width: 1p
   return MaterialApp(home:
                                                                                   <script sr
MyHomePage());
class MyHomePage extends
StatelessWidget {
 void showAlertDialog(BuildContext
context) {
   showDialog(
     builder: (BuildContext context) {
        return AlertDialog(
           title: Text("Alert Dialog"),
alert dialog."),
                                                                                 html body
                                                                                 Styles Compu
               child: Text("Close"),
                                                                                 ₹ Filter
               onPressed: () {
Navigator.of(context).pop();
                                                                                  inset: ▶ 0px
                                                                                  overflow: >
                                                                                  padding: ▶ 0p
             ),
                                                                                  margin: ▶ 0px
                                                                                  user-select:
 @override
 Widget build(BuildContext context) {
```

```
import 'package:flutter/material.dart';
import 'package:fl chart/fl chart.dart';
void main() {
runApp(MyApp());
class MyApp extends StatelessWidget {
@override
Widget build(BuildContext context) {
return MaterialApp(
home: MyHomePage(),
class MyHomePage extends StatelessWidget {
@override
Widget build(BuildContext context) {
return Scaffold(
title: Text('Flutter Pie Chart Demo'),
body: Center(
child: PieChart(
PieChartData(
sections: [
 PieChartSectionData(
color: Colors.blue,
value: 30,
 title: 'Category A',
),
PieChartSectionData(
color: Colors.green,
value: 40,
 title: 'Category B',
PieChartSectionData(
color: Colors.orange,
 title: 'Category C',
 PieChartSectionData(
 color: Colors.red,
```



```
value: 10,
title: 'Category D',
),
l,
),
),
),
);
}}
```

```
import 'package:flutter/material.dart';
import 'package:provider/provider.dart';
void main() {
runApp(
ChangeNotifierProvider<ThemeProvider>(
create: (BuildContext context) => ThemeProvider(),
builder: (BuildContext context, Widget? child) => const MyApp(),
);
class ThemeProvider extends ChangeNotifier {
ThemeMode themeMode = ThemeMode.light; void toggleTheme() {
themeMode = (themeMode == ThemeMode.light) ? ThemeMode.dark :
ThemeMode.light;
notifyListeners();
bool get isDarkMode => themeMode == ThemeMode.dark;
class MyApp extends StatelessWidget {
const MyApp({super.key});
@override
Widget build(BuildContext context) {
final ThemeProvider themeProvider = Provider.of<ThemeProvider>(context);
return MaterialApp(
debugShowCheckedModeBanner: false,
title: 'Custom UI App',
themeMode: themeProvider.themeMode,
theme: ThemeData(
brightness: Brightness.light,
primarySwatch: Colors.blue,
appBarTheme: const AppBarTheme(
backgroundColor: Colors.blue,
foregroundColor: Colors.white,
darkTheme: ThemeData(
brightness: Brightness.dark,
primarySwatch: Colors.blue,
appBarTheme: const AppBarTheme(
backgroundColor: Colors.blueGrey,
```

```
foregroundColor: Colors.white,
home: const HomeScreen(),
class HomeScreen extends StatelessWidget {
const HomeScreen({super.key});
@overrideWidget build(BuildContext context) {
final ThemeProvider themeProvider = Provider.of<ThemeProvider>(context);
return Scaffold(
appBar: AppBar(
title: const Text('Theme Selector'),
body: Center(
child: Column(
mainAxisAlignment: MainAxisAlignment.center,
children: <Widget>[
Text(
'Current Theme: ${themeProvider.isDarkMode ? 'Dark' : 'Light'}',
style: Theme.of(context).textTheme.headlineMedium,
const SizedBox(height: 32.0),
Row (
mainAxisAlignment: MainAxisAlignment.center,
children: <Widget>[
const Icon(Icons.light mode, size: 32.0),
Switch(
value: themeProvider.isDarkMode,
onChanged: (bool value) {
Provider.of<ThemeProvider>(context, listen: false).toggleTheme();
},
const Icon(Icons.dark_mode, size: 32.0),
const SizedBox(height: 16.0),
Text(
'Toggle to change theme',
```

```
style: Theme.of(context).textTheme.bodyMedium,
),
],
),
);
}
}
```