**1.STATELESS WIDGET:**

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| **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('Stateless Widget Example')),**  **body: Center(child: MyStatelessWidget()), ), );}}**  **class MyStatelessWidget extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return Text('Hello, Stateless Widget!', style: TextStyle(fontSize: 24)); }}** |

**2.STATEFUL WIDGET:**

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| **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('Stateful Widget Example')),**  **body: Center(child: MyStatefulWidget()), ), ); }}**  **class MyStatefulWidget extends StatefulWidget {**  **@override**  **\_MyStatefulWidgetState createState() => \_MyStatefulWidgetState();}**  **class \_MyStatefulWidgetState extends State<MyStatefulWidget> {**  **int \_counter = 0;**  **void \_incrementCounter() {**  **setState(() {**  **\_counter++; });}**  **@override**  **Widget build(BuildContext context) {**  **return Column(**  **mainAxisAlignment: MainAxisAlignment.center,**  **children: <Widget>[**  **Text('Counter: $\_counter', style: TextStyle(fontSize: 24)),**  **ElevatedButton(**  **onPressed: \_incrementCounter,**  **child: Text('Increment'), ), ], ); }}** |

**3.CONTAINER:**

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| **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('Container Background Color Change')),**  **body: Center(child: MyStatefulWidget()),),);}}**  **class MyStatefulWidget extends StatefulWidget {**  **@override**  **\_MyStatefulWidgetState createState() => \_MyStatefulWidgetState();}**  **class \_MyStatefulWidgetState extends State<MyStatefulWidget> {**  **Color \_containerColor = Colors.blue;**  **void \_changeColor() {**  **setState(() {**  **\_containerColor = \_containerColor == Colors.blue ? Colors.green : Colors.blue; }); }**  **@override**  **Widget build(BuildContext context) {**  **return GestureDetector(**  **onTap: \_changeColor,**  **child: Container(**  **color: \_containerColor,**  **padding: EdgeInsets.all(20),**  **child: Text('Tap to Change Color', style: TextStyle(color: Colors.white, fontSize: 18)), ), );}}** |

**4.Background color change:**

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| **import 'package:flutter/material.dart';**  **void main() {**  **runApp(MyApp());**  **}**  **class MyApp extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return MaterialApp(**  **home: Scaffold(**  **backgroundColor: Colors.purple, // Change background color here**  **body: Center(**  **child: Text('Hello!', style: TextStyle(color: Colors.white, fontSize: 24)), ), ), ); }}** |

**5.Inkwell:**

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| **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('InkWell Example')),**  **body: Center(**  **child: InkWell(**  **onTap: () {**  **print('Tapped!');},**  **child: Container(**  **padding: EdgeInsets.all(20),**  **color: Colors.blue,**  **child: Text('Tap Me', style: TextStyle(color: Colors.white, fontSize: 20)), ),), ),),); }}** |

**6.List style:**

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| **import 'package:flutter/material.dart';**  **void main() {**  **runApp(MyApp());}**  **class MyApp extends StatelessWidget {**  **final List<String> items = List.generate(10, (index) => 'Item ${index + 1}');**  **@override**  **Widget build(BuildContext context) {**  **return MaterialApp(**  **home: Scaffold(**  **appBar: AppBar(title: Text('Styled ListView')),**  **body: ListView.builder(**  **itemCount: items.length,**  **padding: EdgeInsets.all(10),**  **itemBuilder: (context, index) {**  **return Card(**  **color: Colors.blue[100],**  **shape: RoundedRectangleBorder(**  **borderRadius: BorderRadius.circular(15), ),**  **margin: EdgeInsets.symmetric(vertical: 8),**  **child: ListTile(**  **title: Text(**  **items[index],**  **style: TextStyle(fontSize: 18, fontWeight: FontWeight.bold),),**  **leading: Icon(Icons.label, color: Colors.blue),**  **trailing: Icon(Icons.arrow\_forward\_ios, size: 16),),); },), ), ); }}** |
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**7.NAVIGATION(DRAWER,TAB,STACK)**

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| **import 'package:flutter/material.dart';**  **void main() => runApp(MyApp());**  **class MyApp extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return MaterialApp(**  **title: 'Flutter Navigation Demo',**  **home: MainDrawerScreen(), );}}**  **class MainDrawerScreen extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return Scaffold(**  **appBar: AppBar(**  **title: Text('Drawer + Tabs + Stack'),),**  **drawer: Drawer(**  **child: ListView(**  **padding: EdgeInsets.zero,**  **children: [**  **DrawerHeader(**  **decoration: BoxDecoration(color: Colors.blue),**  **child: Text('Navigation Menu', style: TextStyle(color: Colors.white, fontSize: 24)),),**  **ListTile(**  **title: Text('Home'),**  **onTap: () {**  **Navigator.pop(context); }, ),**  **ListTile(**  **title: Text('Settings'),**  **onTap: () {**  **Navigator.pop(context); // Close the drawer**  **Navigator.push(**  **context,**  **MaterialPageRoute(builder: (context) => SettingsScreen()),); },),],),),**  **body: DefaultTabController(**  **length: 2,**  **child: Column(**  **children: [**  **TabBar(**  **tabs: [**  **Tab(icon: Icon(Icons.home), text: 'Tab 1'),**  **Tab(icon: Icon(Icons.star), text: 'Tab 2'), ], ),**  **Expanded(**  **child: TabBarView(**  **children: [**  **TabPage(title: 'Tab 1'),**  **TabPage(title: 'Tab 2'), ],), ),],), ),);}}**  **class TabPage extends StatelessWidget {**  **final String title;**  **TabPage({required this.title});**  **@override**  **Widget build(BuildContext context) {**  **return Center(**  **child: ElevatedButton(**  **child: Text('Go to Detail from $title'),**  **onPressed: () {**  **Navigator.push(**  **context,**  **MaterialPageRoute(builder: (context) => DetailScreen(title: title)),); },), );}}**  **class DetailScreen extends StatelessWidget {**  **final String title;**  **DetailScreen({required this.title});**  **@override**  **Widget build(BuildContext context) {**  **return Scaffold(**  **appBar: AppBar(**  **title: Text('Detail from $title'), ),**  **body: Center(**  **child: Text('This is the detail page from $title'),), ); }}**  **class SettingsScreen extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return Scaffold(**  **appBar: AppBar(**  **title: Text('Settings'), ),**  **body: Center(**  **child: Text('Settings Page'),),);}}** |

**8.IMAGES AND FONT:**

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| **import 'package:flutter/material.dart';**  **void main() {**  **runApp(MyApp());}**  **class MyApp extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return MaterialApp(**  **title: 'Custom Assets Demo',**  **theme: ThemeData(**  **fontFamily: 'CustomFont', // Apply the custom font ),**  **home: Scaffold(**  **appBar: AppBar(**  **title: Text('Custom Font & Image'), ),**  **body: Center(**  **child: Column(**  **mainAxisAlignment: MainAxisAlignment.center,**  **children: [**  **Text(**  **'Hello with Custom Font!',**  **style: TextStyle(fontSize: 24), ),**  **SizedBox(height: 20),**  **Image.asset(**  **'images/your\_image.png', // Replace with your image path**  **width: 200,**  **height: 200, ), ],), ),), ); }}** |

**9.ELEVATED BUTTON:**

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| **import 'package:flutter/material.dart';**  **void main() => runApp(MyApp());**  **class MyApp extends StatelessWidget {**  **@override**  **Widget build(BuildContext context) {**  **return MaterialApp(**  **title: 'Flutter Button Example',**  **home: Scaffold(**  **appBar: AppBar(title: Text('Button Demo')),**  **body: Center(**  **child: ElevatedButton(**  **onPressed: () {**  **print('Button Pressed!');**  **},**  **child: Text('Click Me'),**  **),**  **),**  **),**  **);**  **}**  **}** |