

1

```
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("Flutter App")),  
        body: Center(child: Text("Dept of BCA"))));  
  }  
}
```

2

```
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("Flutter App")),
        body: Container(
          width:150,
          height:150,
          margin:EdgeInsets.all(20),
          decoration:BoxDecoration(
            image:DecorationImage(
              image:NetworkImage("https://www.freepik.com/free-vector/rectangle-gold-frame-with-foilage-pattern-background\_14924352.htm#fromView=keyword&page=1&position=0&uuid=8fd3b0c0-f75b-42d3-809f-ef5b3ceef52c&query=Text+Background"),
            ),
          child:Text("Hello World",
            style:TextStyle(color:Colors.white))
        )),
    );
  }
}
```

3

```
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("Flutter App")),
        body: Center(
          child: Container(
            width: 150,
            height: 150,
            margin: EdgeInsets.all(20),
            padding: EdgeInsets.all(40),
            decoration: BoxDecoration(
              image: DecorationImage(
                image: NetworkImage(
                  "https://png.pngtree.com/thumb\_back/fh260/background/20220111/pngtree-gradient-background-jpg-blue-image\_982140.jpg"),
                fit: BoxFit.cover)),
          child: Text(
            "Danesh",
            style: TextStyle(
              color: Colors.black,
              fontSize: 20,
              fontWeight: FontWeight.bold),
          ),
        )),
    );
  }
}
```

4

```
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('My profile')),
        body:Center(
          child:Row(
            children: [
              IconButton(
                icon: Icon(Icons.email, color: Colors.red),
                onPressed: () {
                  ScaffoldMessenger.of(context).showSnackBar(
                    SnackBar(content: Text("aditya@gmail.com")),
                  );
                },
              ),
              IconButton(
                icon: Icon(Icons.phone, color: Colors.green),
                onPressed: () {
                  ScaffoldMessenger.of(context).showSnackBar(
                    SnackBar(content: Text("1234567890")),
                  );
                },
              ),
            ],
          ),
        ),
      ),
    );
  }
}
```

```
}  
}
```

5

```
import 'package:flutter/material.dart';  
  
void main() {  
  runApp(MyApp());  
}  
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      home: MyMessage(),  
    );  
  }  
}  
class MyMessage extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: Text("My Profile"),  
        centerTitle: true,  
      ),  
      body: Center(  
        child: Column(  
          mainAxisAlignment: MainAxisAlignment.center,  
          crossAxisAlignment: CrossAxisAlignment.center,  
          children: [  
  
            CircleAvatar(  
              radius: 50,  
              backgroundImage: AssetImage('images/my.jpeg'),  
            ),  
            SizedBox(height: 10),  
            Text(  
              "Apple Iphone 13",
```

```

        style: TextStyle(fontSize: 22, fontWeight: FontWeight.bold),
      ),
      SizedBox(height: 8),
      Text(
        "₹59,999",
        style: TextStyle(fontSize: 16, color: Color.fromARGB(255, 209, 34,
34))),
      ),
      SizedBox(height: 20),

      Row(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          Icon(Icons.star,color:Colors.yellow),
          Icon(Icons.star,color:Colors.yellow),
          Icon(Icons.star,color:Colors.yellow),
          Icon(Icons.star,color:Colors.yellow),
          Icon(Icons.star)],
      ),

      ElevatedButton(
        onPressed:(){
          ScaffoldMessenger.of(context).showSnackBar(
            SnackBar(content:Text("Item added to cart!")),

          );
        },
        child:Text("Buy Now"),
      )
    ],
  ),
),
);
}
}

```

6

```
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('GestureDetector
Example')),

        body: Center(

          child: GestureDetector(

            onTap: () { Output

              print("Container was tapped!");},

            child: Container(

              width: 100,

              height: 100,

              color: Colors.blue,

              child: Center(
```

```
child: Text(  
  'Tap me'  
  ,  
  style: TextStyle(color: Colors.white),  
),  
,  
,  
,  
,  
,  
,  
);  
}  
}
```



7

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      routes: {
        '/': (context) => Home(),
        '/about': (context) => AboutMe(),
        '/profile': (context) => MyProfile(),
        '/contact': (context) => ContactMe(),
      },
      initialRoute: '/',
    );
  }
}

class Home extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('home page')),
      body: Center(
        child: Row(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [
            ElevatedButton(
              child: Text('About Me'),
              onPressed: () =>
                Navigator.pushNamed(context, '/about'),
            ),
            SizedBox(width: 12),
            ElevatedButton(
              child: Text('My Profile'),
```

```

        onPressed: () =>
Navigator.pushNamed(context, '/profile'),
    ),
    SizedBox(width: 12),
    ElevatedButton(
        child: Text('Contact Me'),
        onPressed: () =>
Navigator.pushNamed(context, '/contact'),
    ),
  ],
),
),
);
}
}

```

```

class AboutMe extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('About Me')),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [
            Text('bldde'),
            IconButton(
              icon: Icon(Icons.arrow_back),
              onPressed: () =>
Navigator.pop(context),
            ),
          ],
        ),
      ),
    );
  }
}

```

```

class MyProfile extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('My Profile')),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          crossAxisAlignment:
CrossAxisAlignment.center,
          children: [
            CircleAvatar(
              radius: 70,
              backgroundImage:
AssetImage('images/adii.jpg'),
            ),
            SizedBox(height: 20),
            Text(
              'adi',
              style: TextStyle(fontSize: 25,
fontWeight: FontWeight.bold),
            ),
            Text(
              'Flutter Beginner',
              style: TextStyle(fontSize: 20, color:
Colors.brown),
            ),
            Row(
              mainAxisAlignment:
MainAxisAlignment.center,
              children: [
                Icon(Icons.email, color: Colors.red),
                SizedBox(width: 20),
                Icon(Icons.phone, color:
Colors.green),
                SizedBox(width: 20),
                Icon(Icons.location_on, color:
Colors.black),
              ],
            ),
          ],
        ),
      ),
    );
  }
}

```

```

        IconButton(
          icon: Icon(Icons.arrow_back),
          onPressed: () =>
Navigator.pop(context),
        ),
      ],
    ),
  ),
);
}
}

```

```

class ContactMe extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Contact Me')),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [
            Text('1234567890'),
            IconButton(
              icon: Icon(Icons.arrow_back),
              onPressed: () =>
Navigator.pop(context),
            ),
          ],
        ),
      ),
    );
  }
}

```

8

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

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

// Root widget
class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: CounterScreen(),
    );
  }
}

// Stateful widget for counter
class CounterScreen extends StatefulWidget {
  @override
  _CounterScreenState createState() =>
    _CounterScreenState();
}

class _CounterScreenState extends
  State<CounterScreen> {
  int count = 0; // counter variable

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Count Demo"),
      ),
      body: Center(
        child: Row(
          mainAxisAlignment:
            MainAxisAlignment.center,
          children: [
            ElevatedButton(
```

```
child: Text("+"),
onPressed: () {
  setState(() {
    count++;
  });
  print("Count = $count");
},
),
 SizedBox(width: 20), // Space between buttons
and text
Text(
"$count",
style: TextStyle(fontSize: 24),
),
SizedBox(width: 20),
ElevatedButton(
  child: Text("-"),
  onPressed: () {
    setState(() {
      count--;
    });
    print("Count = $count");
  },
),
],
),
),
);
}
}
```

9

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: LoginPage(),
      debugShowCheckedModeBanner: false,
    );
  }
}

class LoginPage extends StatefulWidget {
  @override
  LoginPageState createState() {
    return LoginPageState();
  }
}

class LoginPageState extends
  State<LoginPage> {
  TextEditingController usernamecontroller =
    TextEditingController();
  TextEditingController passwordcontroller =
    TextEditingController();

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Login Page'),
      ),
```

```

body: Center(
  child: Column(
    mainAxisAlignment: MainAxisAlignment.min,
    children: [
      Padding(
        padding: EdgeInsets.all(20),
        child: TextField(
          controller: usernamecontroller,
          decoration: InputDecoration(
            labelText: 'Enter Username',
            border: OutlineInputBorder(),
          ),
        ),
      ),
      Padding(
        padding: EdgeInsets.all(20),
        child: TextField(
          controller: passwordcontroller,
          obscureText: true,
          decoration: InputDecoration(
            labelText: 'Enter Password',
            border: OutlineInputBorder(),
          ),
        ),
      ),
      ElevatedButton(
        child: Text('Login'),
        onPressed: () {
          String uname = usernamecontroller.text;
          String pword = passwordcontroller.text;

          if (uname == 'admin' && pword == '123') {
            ScaffoldMessenger.of(context).showSnackBar(
              SnackBar(
                content: Text('Login Successful'),
                // backgroundColor: Colors.green,
              ),
            );
          } else {
            ScaffoldMessenger.of(context).showSnackBar(

```



```
SnackBar(  
  content: Text('Invalid Credentials'),  
  // backgroundColor: Colors.red,  
),  
);  
}  
},  
),  
],  
),  
),  
);  
}  
}
```