Stateless and Scaffold

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

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

// main() => runApp(  MyApp()  );
class MyApp extends StatelessWidget{
 @override
 Widget build(BuildContext context) {

   return MaterialApp(
     home: Scaffold(
       appBar: AppBar(title: Text("Main Screen"),
backgroundColor: Colors.limeAccent,),
       body: Container(
         color: Colors.cyanAccent,
         child: Center(
             child: Text("Hello World..", style: TextStyle(
               fontSize: 25, color: Colors.red, fontWeight:
FontWeight.bold,
             ),),
         ),
       ),
     ),
   );

 }

}
```

Rows and Columns and padding and Expandable

Main.dart

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

import 'FirstScreen.dart';
import 'SecondScreen.dart';

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

// main() => runApp(  MyApp()  );
class MyApp extends StatelessWidget{
 @override
 Widget build(BuildContext context) {

   return MaterialApp(
     debugShowCheckedModeBanner: false,
     home: SecondScreen()
   );

 }

}
```

SecondScree.dart

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

class SecondScreen extends StatelessWidget {
 const SecondScreen({Key? key}) : super(key: key);

 @override
 Widget build(BuildContext context) {
   return  Scaffold(
```

```
      appBar: AppBar(title: Text("SecondScreen"),),
      body: Container(
        // padding: EdgeInsets.only(left: 15,top: 15),
        padding: EdgeInsets.all(20),
        color: Colors.lightGreenAccent,
        child: Column(
          children: [
            Row(

              children: [
                Expanded(child:
                Text("My Name is Ansari and welcome to
flutter training", style: TextStyle(fontSize: 25),)
                )
              ],
            ),
            SizedBox(height: 50,),
            Row(
              children: [
                Text("getting value", style:
TextStyle(fontSize: 25, color: Colors.red),)
              ],
            ),
            Row(
              children: [
                Column(),
              ],
            ),
          ],
        ),
      ),

    );
  }
}
```

Calling class and a function separately

```
class MyText extends StatelessWidget{
 @override
 Widget build(BuildContext context) {
   // TODO: implement build
   return Container(
     child: Text("WELCOMe", style: TextStyle(fontSize: 20,
color: Colors.cyan),),
   );
 }

}

int myMathFunction(){
 var random = Random();
 var rNumb = random.nextInt(100);
 return rNumb;
}
```

Adding Images

```
flutter:

 uses-material-design: true

 assets:
   - images/spiderman.png
```

```
Image.asset("images/spiderman.png", height: 100, width: 150,)
```

List View

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

class ListScreen extends StatelessWidget {
 const ListScreen({Key? key}) : super(key: key);

 @override
 Widget build(BuildContext context) {
   return Scaffold(
     appBar: AppBar(title: Text("List View..")),
     body: Container(
     child: getListView(),
     )
   );
 }

Widget getListView(){
   var listview = ListView(
     children: [
       ListTile(
         leading: Icon(Icons.accessibility),
         title: Text("INDIA"),
         subtitle: Text("Asian"),
         trailing: Icon(Icons.access_alarm),
         onTap: (){
           print("you clicked");
         },
       ),
       ListTile(
         leading: Icon(Icons.accessibility),
         title: Text("SOUTH AFRICA"),
         subtitle: Text("African"),
         trailing: Icon(Icons.access_alarm),
         onTap: (){
           print("you clicked");
         },
       ),
       ListTile(
         leading: Icon(Icons.accessibility),
         title: Text("Australia"),
         subtitle: Text("Australian"),
         trailing: Icon(Icons.access_alarm),
         onTap: (){
```

```
            print("you clicked");
          },
        ),
      ],
    );
    return listview;
  }
}
```

LONG LIST

```
List<String> getListItems(){
 var items = List<String>.generate(100, (counter) => "item
is  $counter");
 return items;
}

Widget getLongListView(){
 var listItems = getListItems();
 var listView = ListView.builder(itemBuilder: (context,
index){
    return ListTile(
      title: Text(listItems[index]),
      onTap: (){
        print(" selected ${listItems[index]}");
      },
    );
 });
 return listView;
}
```