Name: Murtaza Akil Mister

Roll No: CE071

**ID**: 20ITUOS088

Batch: A4

**Lab**: 8

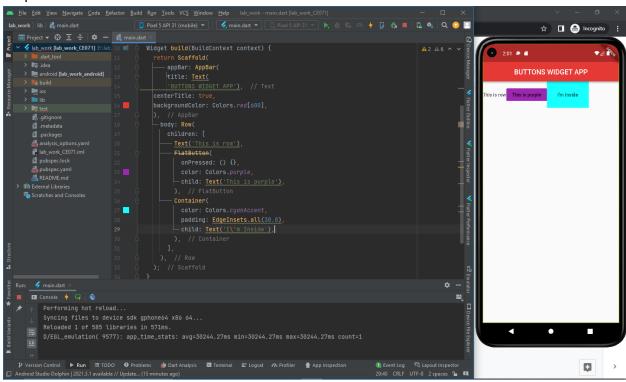
Github link: <a href="https://github.com/MurtazaMister/CE071">https://github.com/MurtazaMister/CE071</a> SDP/blob/master/Lab8

## Part 1

```
Code:
void main() => runApp(MaterialApp(
home: HomeScreen(),
));
class HomeScreen extends StatelessWidget {
// const test1({Key? key}) : super(key: key);
@override
Widget build(BuildContext context) {
   return Scaffold(
      appBar: AppBar(
       title: Text(
      'BUTTONS WIDGET APP'),
   centerTitle: true,
  backgroundColor: Colors.red[600],
  body: Padding(
     padding: EdgeInsets.all(100),
    child: Text('This is padding'),
```

```
| Description |
```

```
import 'package:flutter/material.dart'
void main() => runApp(MaterialApp(
home: HomeScreen(),
));
lass HomeScreen extends StatelessWidget
@override
Widget build(BuildContext context) {
   return Scaffold(
      appBar: AppBar(
       title: Text(
   centerTitle: true,
   backgroundColor: Colors.red[600],
    body: Row(
       children: [
         FlatButton(
           onPressed: () {},
           color: Colors.purple,
           child: Text('This is purple'),
```



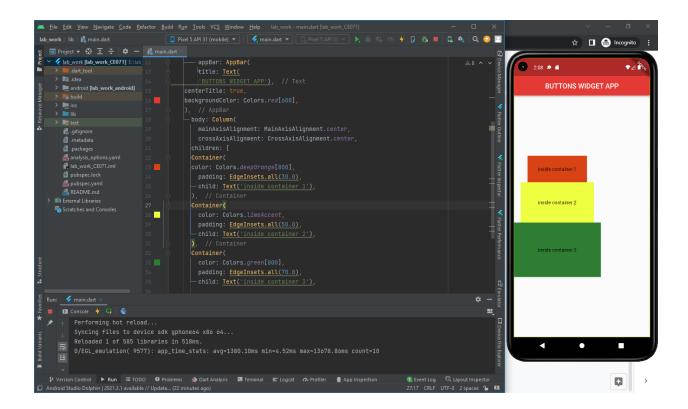
```
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                                                                                                                                                                                 children: [

— Text('This is a row'),

— FlatButton(
                                                                                                                                                                                     color: Colors.green,
— child: Text('I\'m a button'),
), // FlatButton
                                                                                                                                5
                                                                                                                                                                                     color: Colors.cyanAccent,
padding: EdgeInsets.all(30.0),
child: Text('Inside container'
                                                                                                                                 9
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ndroid Studio Dolphin | 2021:3.1 available // Update... (20 minutes ago)
```

# Code: import 'package:flutter/material.dart'; void main() => runApp(MaterialApp( home: HomeScreen(), )); class HomeScreen extends StatelessWidget { @override Widget build(BuildContext context) { return Scaffold( appBar: AppBar( title: Text( 'BUTTONS WIDGET APP'), centerTitle: true, backgroundColor: Colors.red[600], ), body: Column( mainAxisAlignment: MainAxisAlignment.center, children: [ Container ( color: Colors.deepOrange[800], padding: EdgeInsets.all(30.0), Container( color: Colors.limeAccent, padding: EdgeInsets.all(50.0), child: Text('inside container 2'), ), Container( padding: EdgeInsets.all(70.0),



```
child: Text('inside container 1'),
),
Container(
    color: Colors.limeAccent,
    padding: EdgeInsets.all(50.0),
    child: Text('inside container 2'),
),
Container(
    color: Colors.green[800],
    padding: EdgeInsets.all(70.0),
    child: Text('inside container 3'),
    ),
    ),
    ),
    ),
    ),
    ),
    ),
    ),
}
```

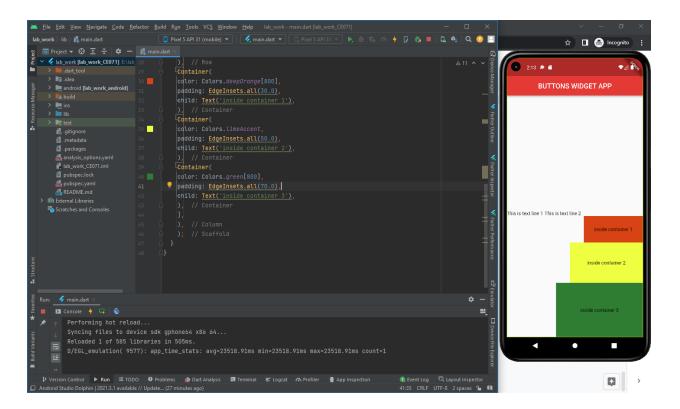
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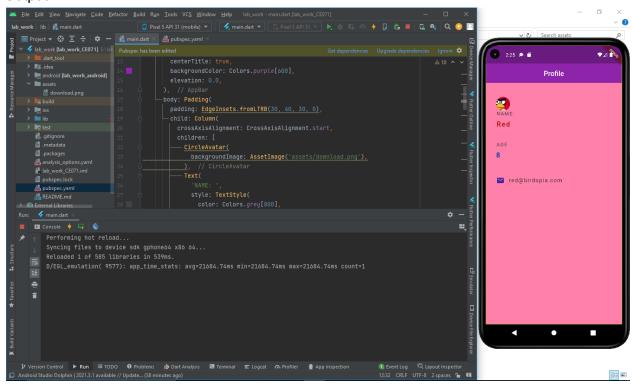
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                                                                                                                                                                                    padding: EdgeInsets.all(50.0),
— child: Text('inside container 2'),
), // Container
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inside container 2
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padding: EdgeInsets.all(70.0),
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Android Studio Dolphin | 2021.3.1 available // Update...(24 minutes ago)
```

```
import 'package:flutter/material.dart';
void main() => runApp(MaterialApp(
   home: HomeScreen(),
));
```

```
/ const test1({Key? key}) : super(key: key);
@override
Widget build(BuildContext context) {
  return Scaffold(
      appBar: AppBar(
     title: Text(
      'BUTTONS WIDGET APP'),
  centerTitle: true,
    body: Column(
     mainAxisAlignment: MainAxisAlignment.end,
        crossAxisAlignment: CrossAxisAlignment.end,
    children: [
    Row (
    children: [
    Text('This is text line 1 '),
    Text('This is text line 2')
    ],
  ) ,
  Container(
  padding: EdgeInsets.all(30.0),
  child: Text('inside container 1'),
  ),
  Container (
  color: Colors.limeAccent,
  padding: EdgeInsets.all(50.0),
  child: Text('inside container 2'),
  ),
  Container(
  color: Colors.green[800],
  padding: EdgeInsets.all(70.0),
  child: Text('inside container 3'),
  1,
```



```
'NAME: ',
         style: TextStyle(
           color: Colors.grey[800],
           letterSpacing: 2.0,
         ),
       SizedBox(height: 10),
       Text(
         'Red',
         style: TextStyle(
           color: Colors.red[900],
           letterSpacing: 2.0,
           fontWeight: FontWeight.bold,
          fontSize: 20.0,
         ) ,
       ),
       SizedBox(height: 40),
       Text (
         'AGE',
         style: TextStyle(
           color: Colors.grey[800],
          letterSpacing: 2.0,
        ),
       ) ,
       SizedBox(height: 10),
       Text(
         style: TextStyle(
           color: Colors.blue[900],
           letterSpacing: 2.0,
           fontWeight: FontWeight.bold,
           fontSize: 20.0,
       SizedBox(height: 50),
       Row (
         children: [
           Icon(
             Icons.email_rounded,
             color: Colors.deepPurple[800],
           SizedBox(width: 12.0),
           Text(
'red@birdopia.com',
style: TextStyle(
              color: Colors.brown[800],
```



## Part 2

```
import 'package:flutter/material.dart';
void main() => runApp(MaterialApp(
  home: EchoList(),
));
class EchoList extends StatefulWidget {
```

```
const EchoList({Key? key}) : super(key: key);
@override
State<EchoList> createState() => EchoListState();
class EchoListState extends State<EchoList> {
List<String> quotes = [
  'I see humans but no humanity',
 'The time is always right to do what is right'
@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.lightBlueAccent[100],
    appBar: AppBar(
      title: Text('Quotes'),
      centerTitle: true,
      backgroundColor: Colors.orangeAccent,
    body: Column(
/ mainAxisAlignment: MainAxisAlignment.center,
/ crossAxisAlignment: CrossAxisAlignment.center,
     children: quotes.map((quote) => Text(quote)).toList(),
   ) ,
```

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I see humans but no humanity - Nachiket Malhotra
he time is always right to do what is right - Ajoy Shantidas
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> assets
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                                                                                                                                                                                         State<EchoList> createState() => _EchoListState();
                                                                                                                                                                                Quote(author: 'Nachiket Malhotra', text: 'I see humans but no humanity'),
Quote(text: 'The time is always right to do what is right', author:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             $ -
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| Android Studio Dolphin | 2021.3.1 available // Update... (59 minutes ago)
```

```
import 'package:flutter/material.dart';
//import 'package:lab8_2/quote.dart';
import 'quote.dart'; // due to same directory file no need path

void main() => runApp(MaterialApp(
   home: EchoList(),
   ));
class EchoList extends StatefulWidget {
   const EchoList({Key? key}) : super(key: key);
   @override
   State<EchoList> createState() => EchoListState();
```

```
class EchoListState extends State<EchoList> {
List<Quote> quotes = [
  Quote(text: 'The truth is really pure and never simple', author:
  'Vijav Sahani'),
  Quote(author: 'Nachiket Malhotra', text: 'I see humans but no humanity'),
 Ouote (text: 'The time is always right to do what is right', author:
  'Ajoy Shantidas'),
Widget quoteTemplate(quote) {
   return Card(
    child: Padding(
      padding: const EdgeInsets.all(12.0),
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.stretch,
        children: [
          Text(
            quote.text,
           style: TextStyle(
         fontSize: 23,
     color: Colors.deepPurple,
          SizedBox(height: 10),
          Text (
           style: TextStyle(
    fontSize: 15,
   color: Colors.deepPurple,
@override
Widget build(BuildContext context) {
 return Scaffold(
 backgroundColor: Colors.pink[100],
    appBar: AppBar(
   title: Text('Quotes'),
```

