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Batch: A4

Lab: 8

Github link: https://github.com/MurtazaMister/CE071_SDP/blob/master/Lab8

Part 1

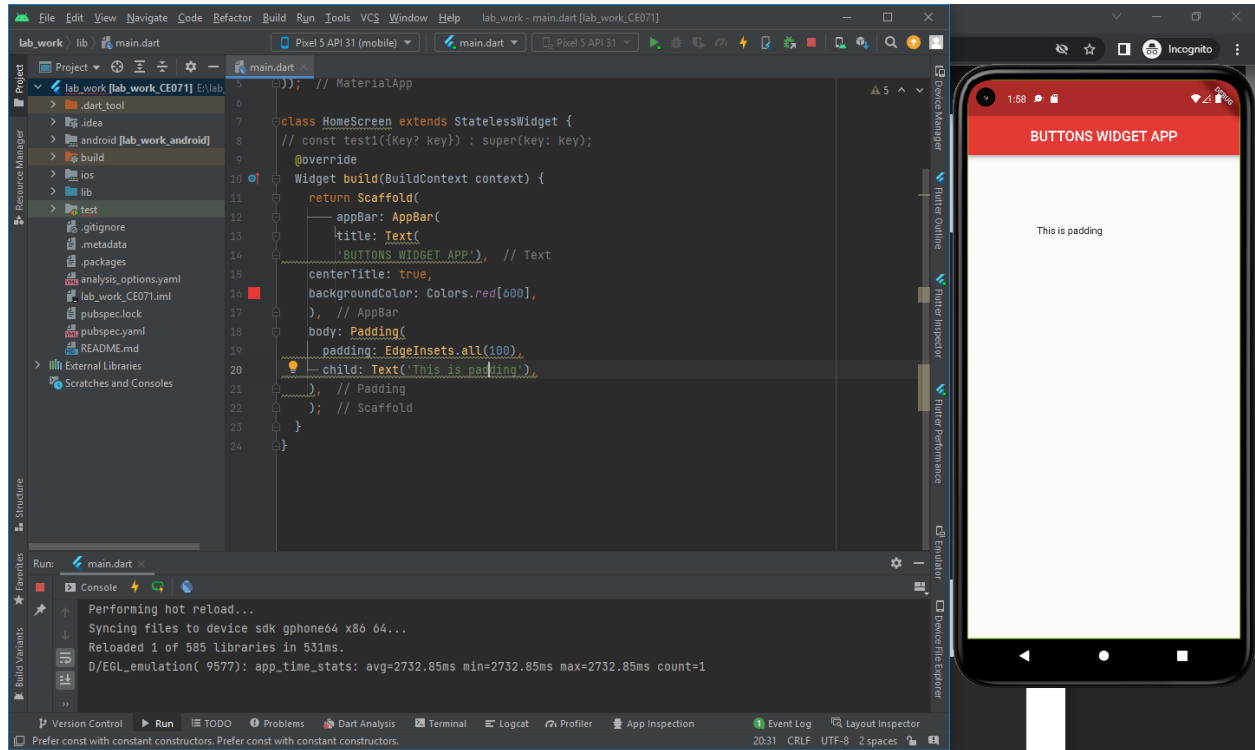
Code:

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

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

Output:



Code:

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

void main() => runApp(MaterialApp(
  home: HomeScreen(),
));

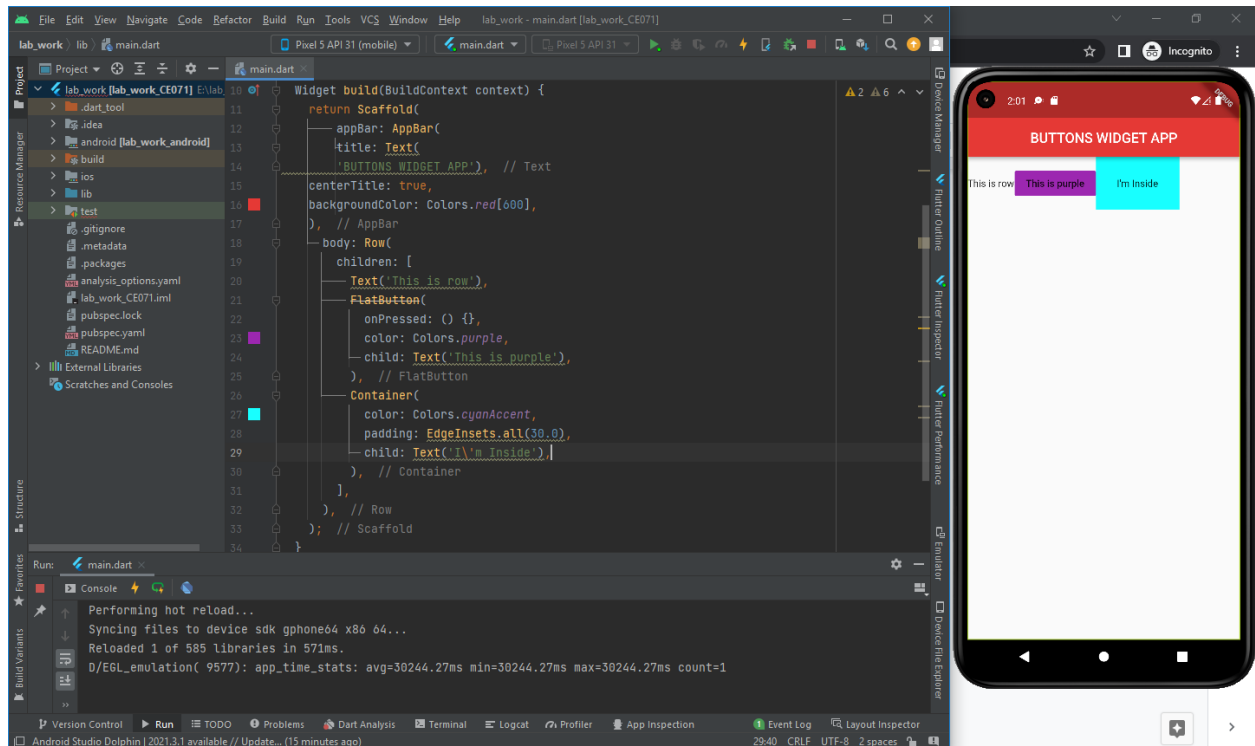
class HomeScreen extends StatelessWidget {
  // const test1({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(
          'BUTTONS WIDGET APP'),
        centerTitle: true,
        backgroundColor: Colors.red[600],
      ),
      body: Row(
        children: [
          Text('This is row'),
          FlatButton(
            onPressed: () {},
            color: Colors.purple,
            child: Text('This is purple'),
          ),
        ],
      ),
    );
  }
}
```

```

        Container(
          color: Colors.cyanAccent,
          padding: EdgeInsets.all(30.0),
          child: Text('I\'m Inside'),
        ),
      ],
    ),
  );
}

```

Output:



Code:

```

import 'package:flutter/material.dart';

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(

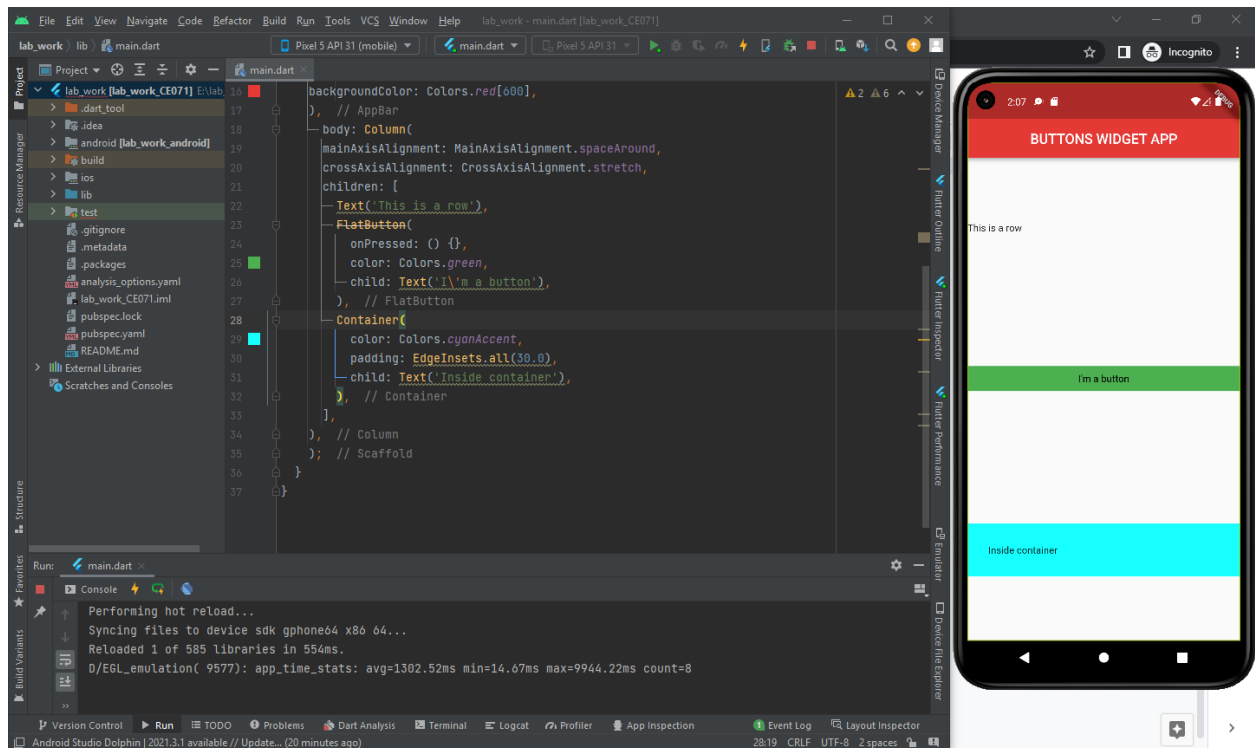
```

```

        'BUTTONS WIDGET APP'),
        centerTitle: true,
        backgroundColor: Colors.red[600],
    ),
    body: Column(
      mainAxisAlignment: MainAxisAlignment.spaceAround,
      crossAxisAlignment: CrossAxisAlignment.stretch,
      children: [
        Text('This is a row'),
        FlatButton(
          onPressed: () {},
          color: Colors.green,
          child: Text('I\'m a button'),
        ),
        Container(
          color: Colors.cyanAccent,
          padding: EdgeInsets.all(30.0),
          child: Text('Inside container'),
        ),
      ],
    ),
  );
}

```

Output:



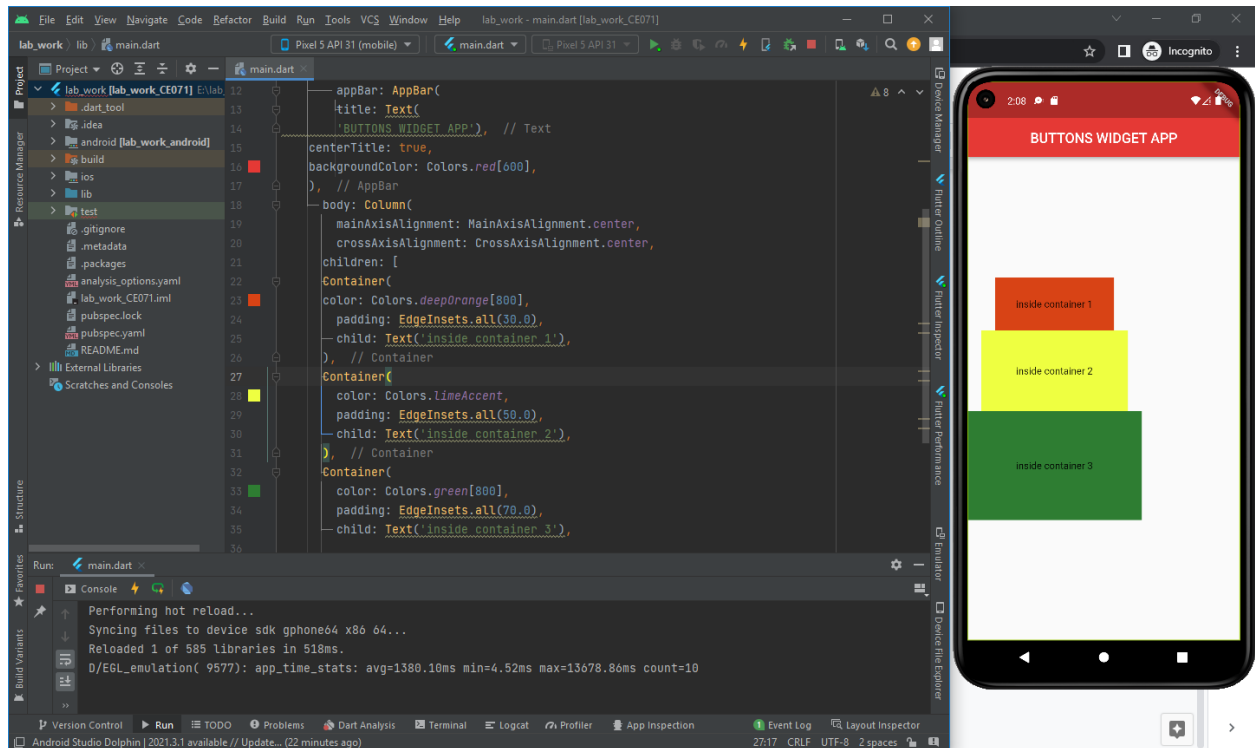
Code:

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

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: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        crossAxisAlignment: CrossAxisAlignment.center,
        children: [
          Container(
            color: Colors.deepOrange[800],
            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'),
          ),
        ],
      ),
    );
  }
}
```

Output:



Code:

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

void main() => runApp(MaterialApp(
  home: HomeScreen(),
));

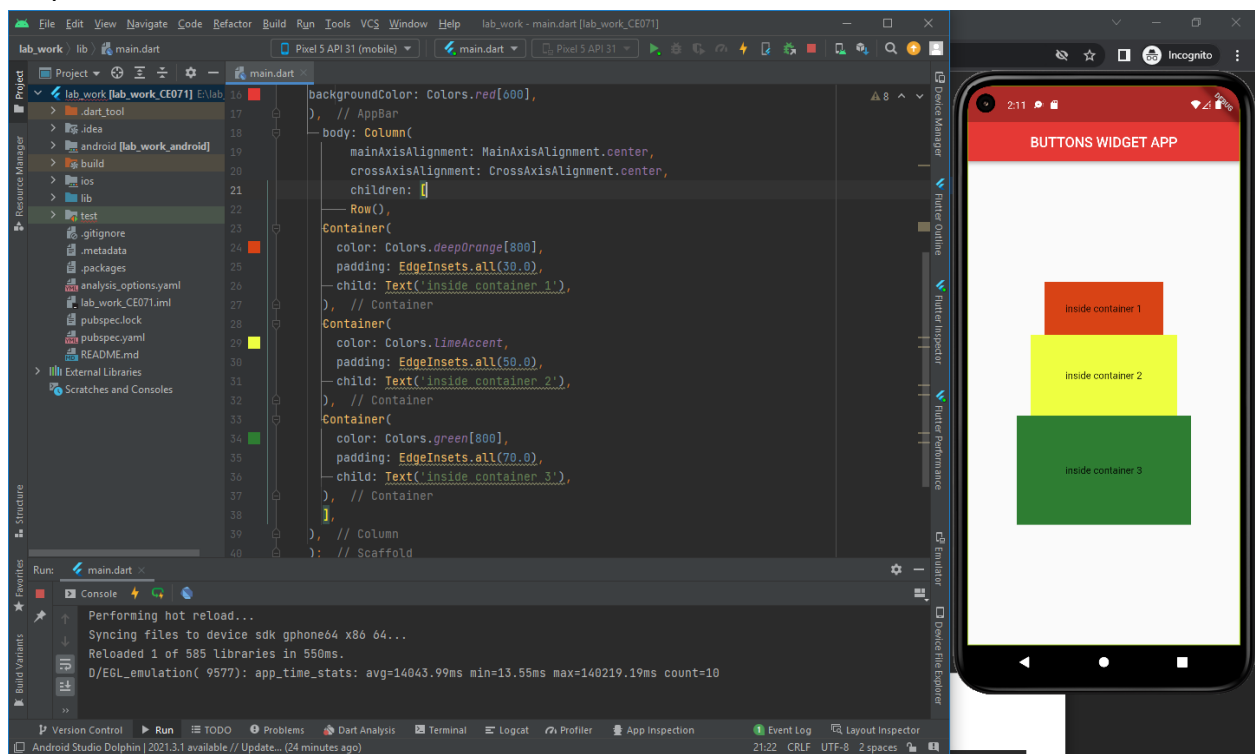
class HomeScreen extends StatelessWidget {
  // const test1({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(
          'BUTTONS WIDGET APP'),
        centerTitle: true,
        backgroundColor: Colors.red[600],
      ),
      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        crossAxisAlignment: CrossAxisAlignment.center,
        children: [
          Row(),
          Container(
            color: Colors.deepOrange[800],
            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'),
      ),
    ],
  ),
);
}
}

```

Output:



Code:

```

import 'package:flutter/material.dart';

void main() => runApp(MaterialApp(
  home: HomeScreen(),
));

```

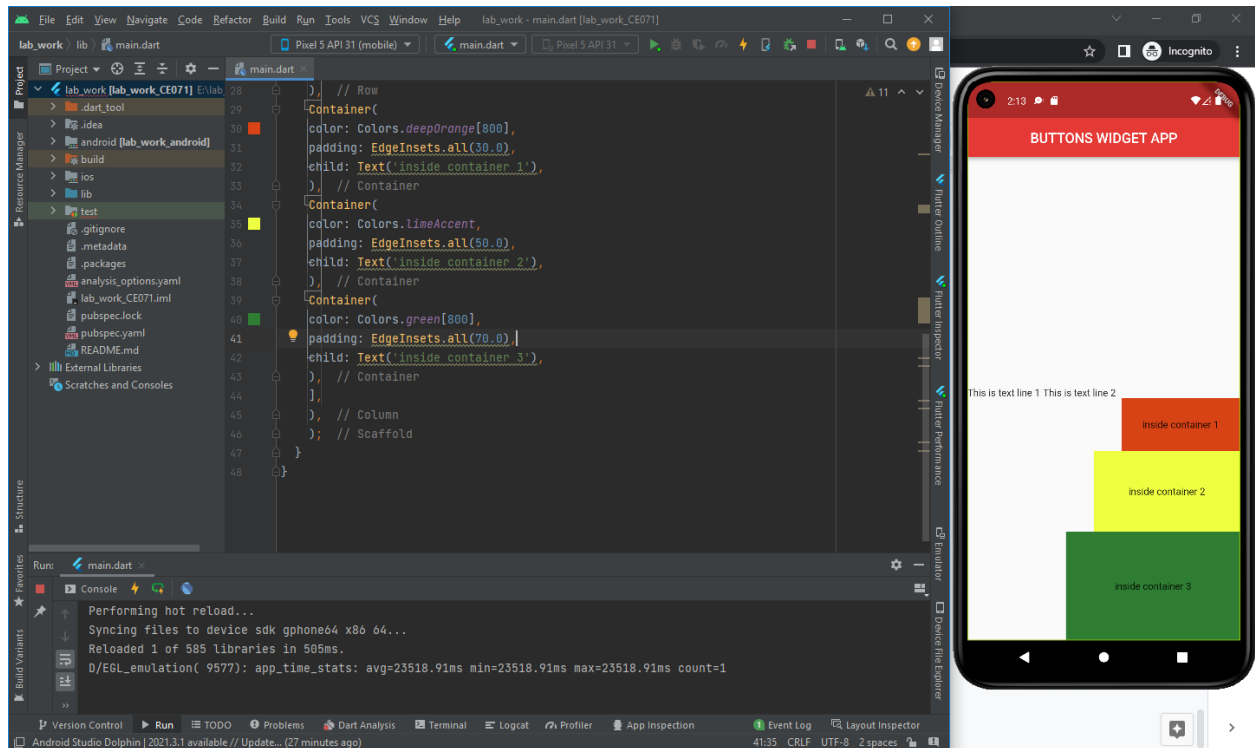
```

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: Column(
        mainAxisAlignment: MainAxisAlignment.end,

        crossAxisAlignment: CrossAxisAlignment.end,
        children: [
          Row(
            children: [
              Text('This is text line 1 '),
              Text('This is text line 2')
            ],
          ),
          Container(
            color: Colors.deepOrange[800],
            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'),
          ),
        ],
      ),
    );
  }
}

```

Output:



Code:

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

void main() => runApp(MaterialApp(
  home: FinalTest1(),
));

class FinalTest1 extends StatelessWidget {
  // const FinalTest1({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.pinkAccent[100],
      appBar: AppBar(
        title: Text('Profile'),
        centerTitle: true,
        backgroundColor: Colors.purple[600],
        elevation: 0.0,
      ),
      body: Padding(
        padding: EdgeInsets.fromLTRB(30, 40, 30, 0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            CircleAvatar(
              backgroundImage: AssetImage('assets/download.png'),
            ),
            Text(
```

```

        '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(
      '8',
      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],

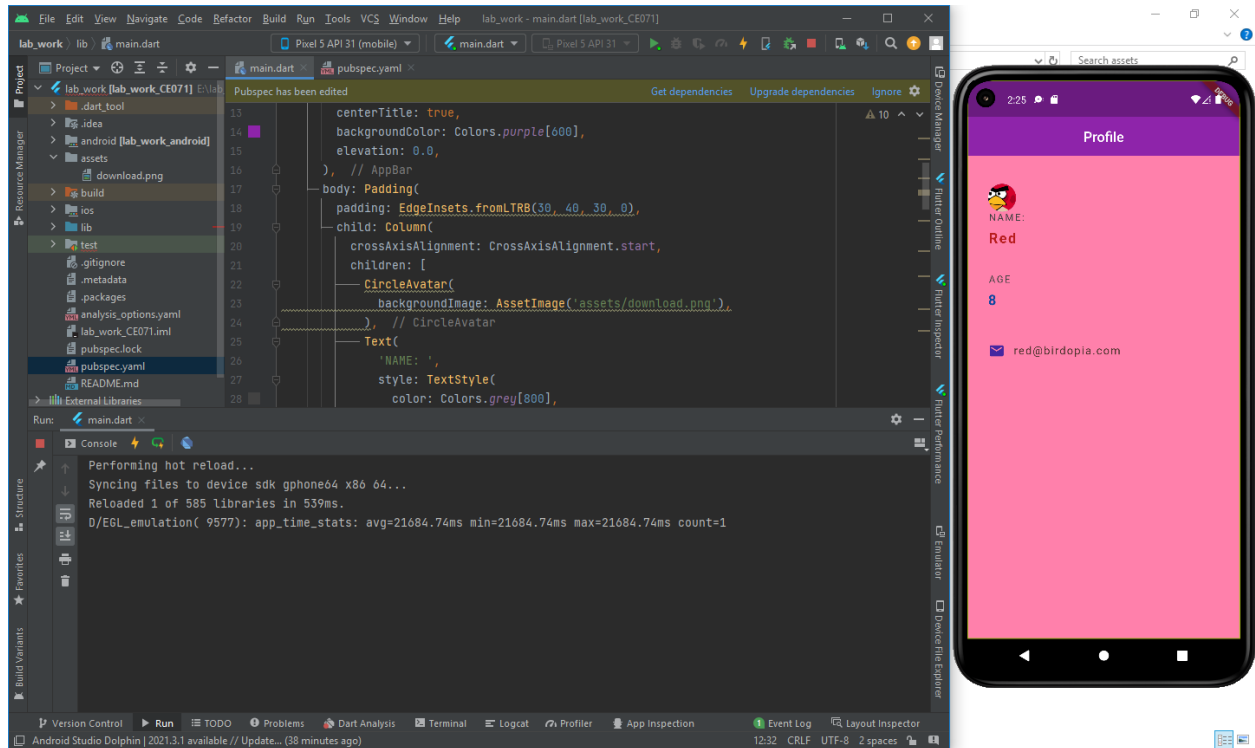
```

```

        fontSize: 16.0,
        letterSpacing: 1.5,
      ),
    ),
  ],
),
],
),
),
);
}
}

```

Output:



Part 2

Code:

```

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

```

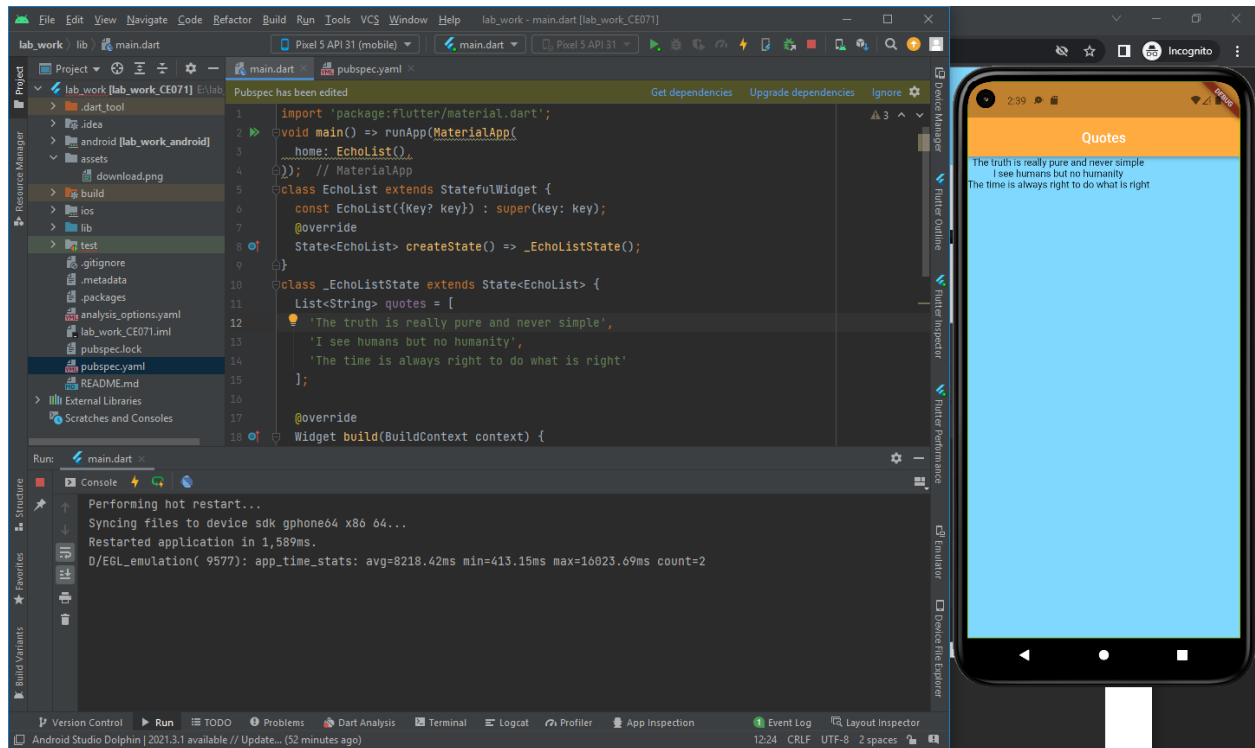
```

const EchoList({Key? key}) : super(key: key);
@override
State<EchoList> createState() => _EchoListState();
}
class _EchoListState extends State<EchoList> {
  List<String> quotes = [
    'The truth is really pure and never simple',
    '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(),
      ),
    );
  }
}

```

Output:



Code:

```
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:
      'Vijay Sahani'),
    Quote(author: 'Nachiket Malhotra', text: 'I see humans but no humanity'),
    Quote(text: 'The time is always right to do what is right', author:
      'Ajoy Shantidas'),
  ];

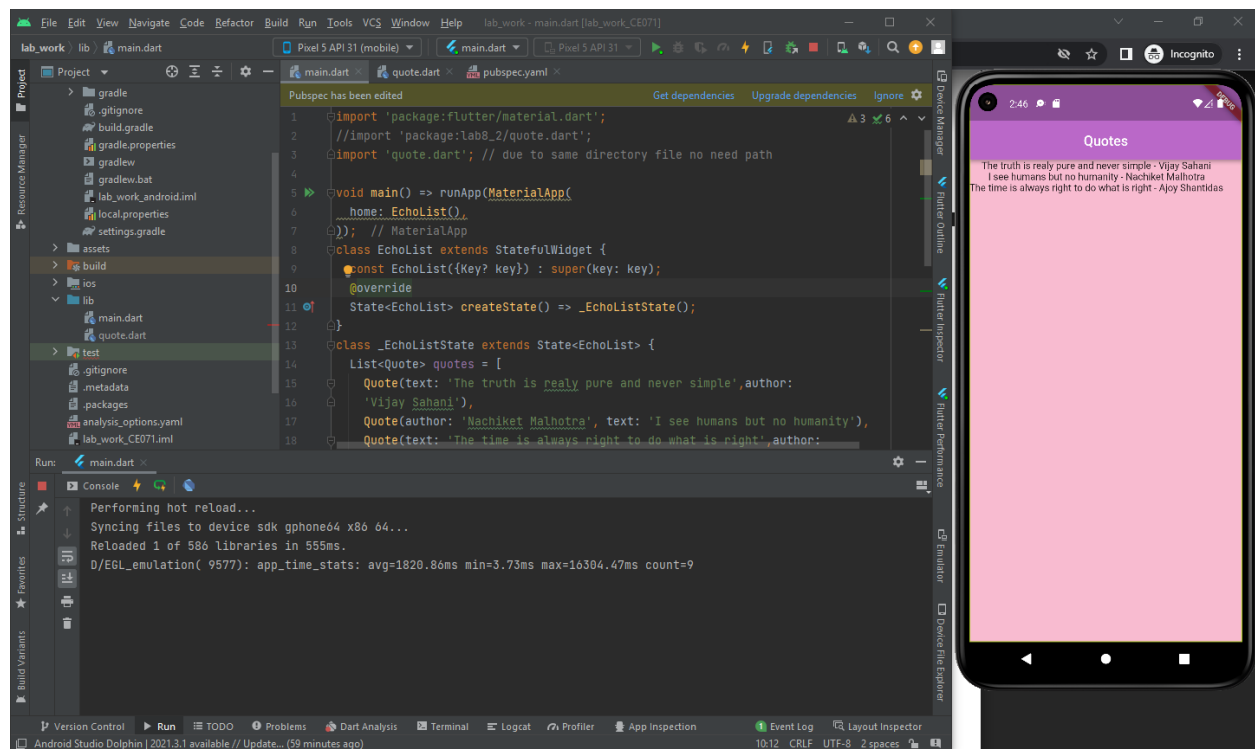
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.pink[100],
```

```

        appBar: AppBar(
          title: Text('Quotes'),
          centerTitle: true,
          backgroundColor: Colors.purple[300],
        ),
        body: Column(
          children: quotes.map((quote) => Text('${quote.text} - ${quote.author}')).toList(),
        ),
      );
    }
  }
}

```

Output:



Code:

```

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:
      'Vijay Sahani'),
    Quote(author: 'Nachiket Malhotra', text: 'I see humans but no humanity'),
    Quote(text: 'The time is always right to do what is right',author:
      'Ajoy Shantidas'),
  ];

  Widget quoteTemplate(quote) {
    return Card(
      margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
      child: Padding(
        padding: const EdgeInsets.all(12.0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.stretch,
          children: [
            Text(
              quote.text,
              style: TextStyle(
                fontSize: 23,

                color: Colors.deepPurple,

              ),
            ),
            Text(
              quote.author,
              style: TextStyle(
                fontSize: 15,

                color: Colors.deepPurple,

              ),
            ),
            SizedBox(height: 10),
            Text(
              quote.author,
              style: TextStyle(
                fontSize: 15,

                color: Colors.deepPurple,

              ),
            ),
          ],
        ),
      ),
    );
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.pink[100],
      appBar: AppBar(
        title: Text('Quotes'),

```

```

        centerTitle: true,
        backgroundColor: Colors.purple[300],
      ),
      body: Column(
// mainAxisAlignment: MainAxisAlignment.center,
// crossAxisAlignment: CrossAxisAlignment.center,
        children: quotes.map((quote) => quoteTemplate(quote)).toList(),
      ),
    );
  }
}

```

Quote.dart

```

class Quote{
  String text;
  String author;

  Quote({this.text='', this.author=''});
}

```

Output:

