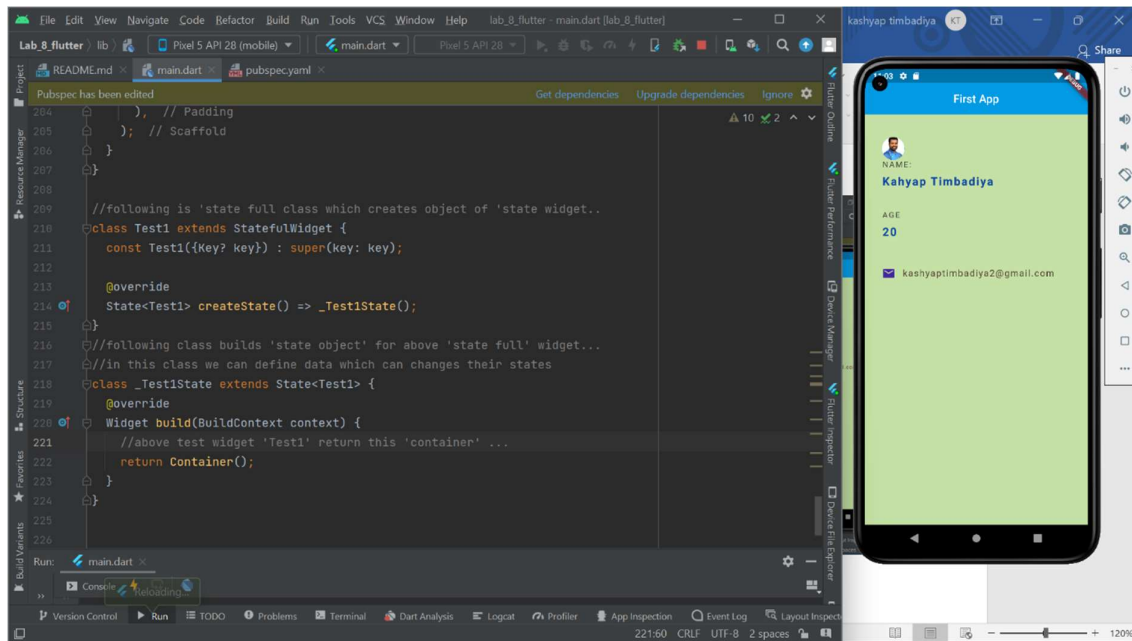## State Full widget:

```dart
import 'package:flutter/material.dart';
void main() => runApp(MaterialApp(
  home: FinalTest1(),
));
class FinalTest1 extends StatefulWidget {
  @override
  State<FinalTest1> createState() => _FinalTest1State();
}

class _FinalTest1State extends State<FinalTest1> {
  num age = 20.0;
// const FinalTest1({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.lightGreen[200],
      appBar: AppBar(
        title: Text('First App'),
        centerTitle: true,
        backgroundColor: Colors.lightBlue[600],
        elevation: 0.0,
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: ()
        {
          setState(() {
            age += 1;
          });
        },
        child: Icon(Icons.add),
        backgroundColor: Colors.brown,
      ),
      body: Padding(
        padding: EdgeInsets.fromLTRB(30, 40, 30, 0),
```
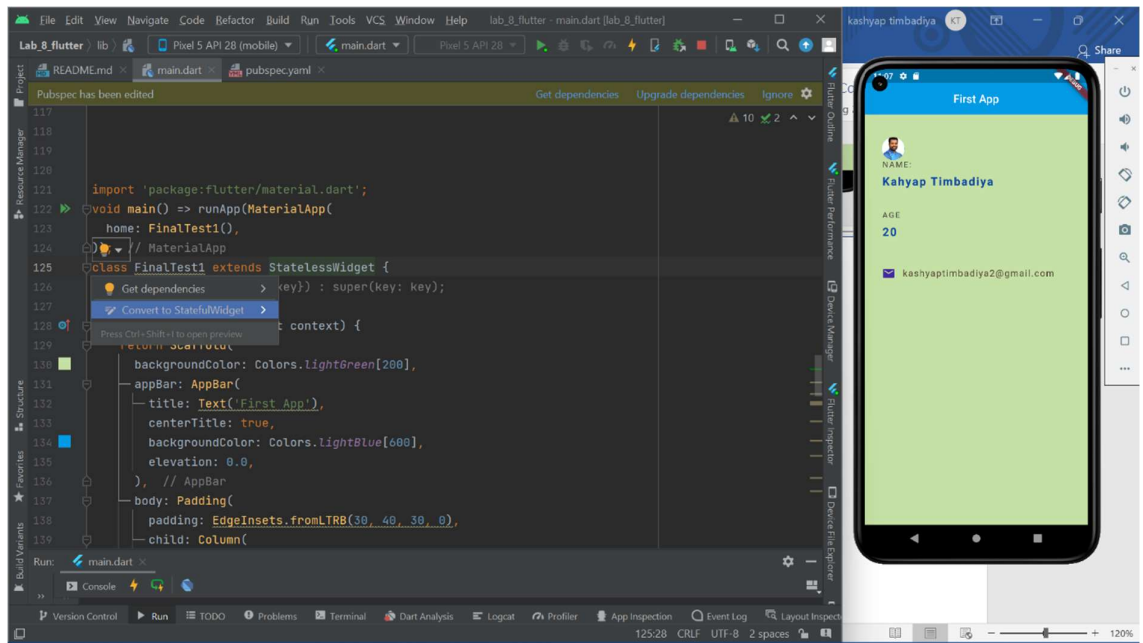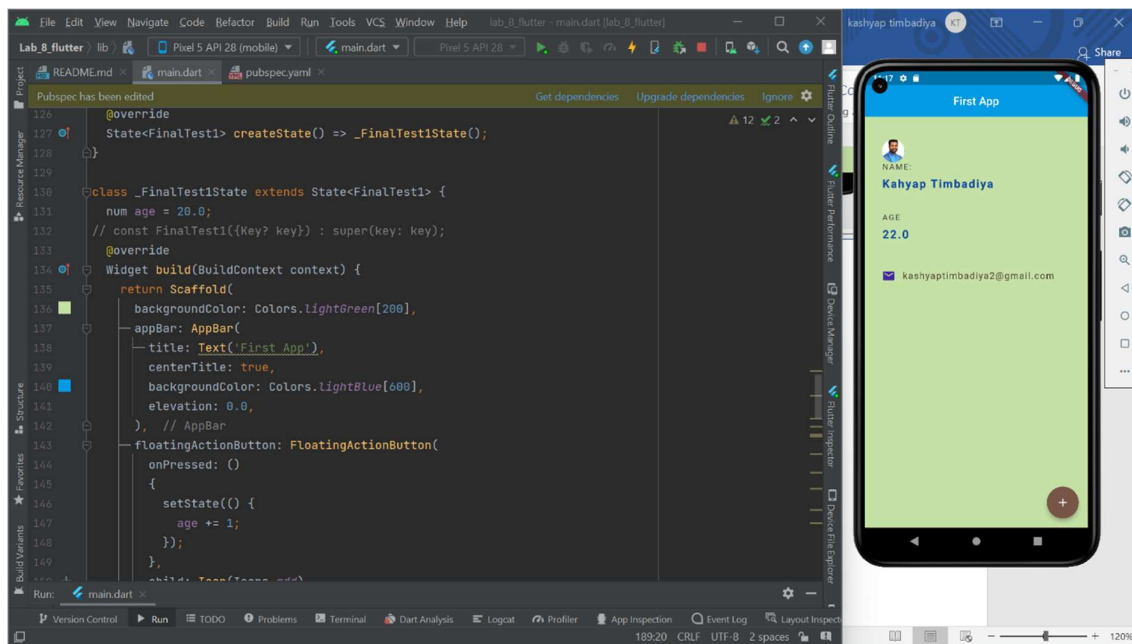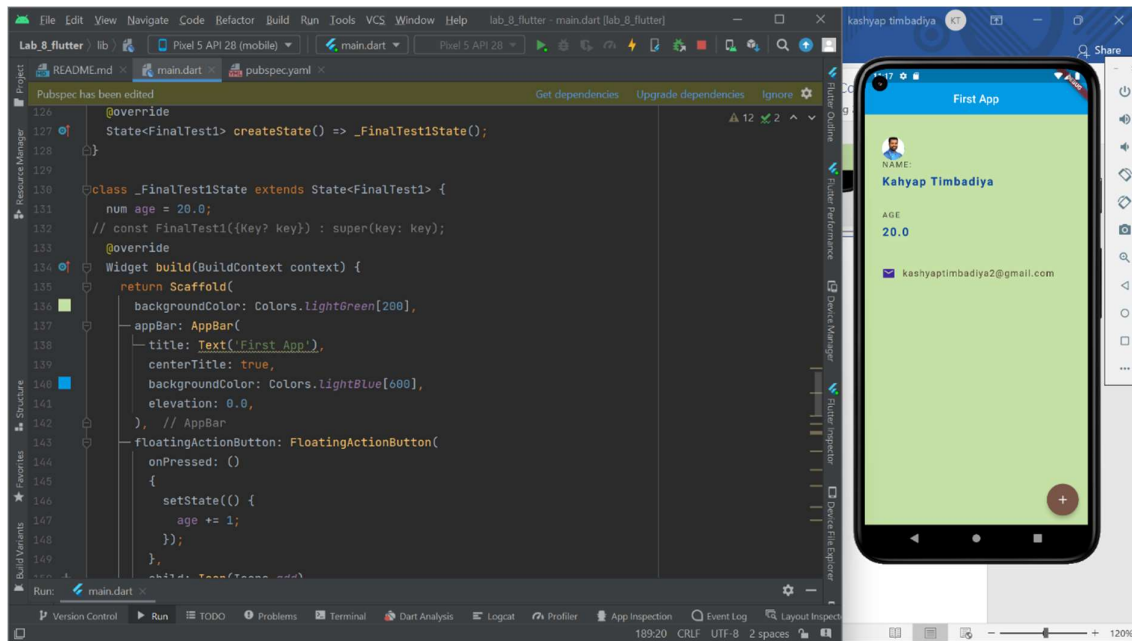
```dart
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            CircleAvatar(
              backgroundImage: AssetImage('assets/sub_assets/rohit-
sharma.png'),
            ),
            Text(
              'NAME: ',
              style: TextStyle(
                color: Colors.grey[800],
                letterSpacing: 2.0,
              ),
            ),
            SizedBox(height: 10),
            Text(
              'Kahyap Timbadiya',
              style: TextStyle(
                color: Colors.blue[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(

              '$age',
              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(
                  'kashyaptimbadiya2@gmail.com',

                  style: TextStyle(

                    color: Colors.brown[800],
                    fontSize: 16.0,
                    letterSpacing: 1.5,

                  ),
```

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

```dart
import 'package:flutter/material.dart';
void main() => runApp(MaterialApp(
  home: FinalTest1(),
)); // MaterialApp
class FinalTest1 extends StatelessWidget {
                       key}) : super(key: key);
                         context) {
    return Scaffold(
      backgroundColor: Colors.lightGreen[200],
      appBar: AppBar(
        title: Text('First App'),
        centerTitle: true,
        backgroundColor: Colors.lightBlue[600],
        elevation: 0.0,
      ), // AppBar
      body: Padding(
        padding: EdgeInsets.fromLTRB(30, 40, 30, 0),
        child: Column(
```

Working with Custom Class:

```dart
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();
}
```
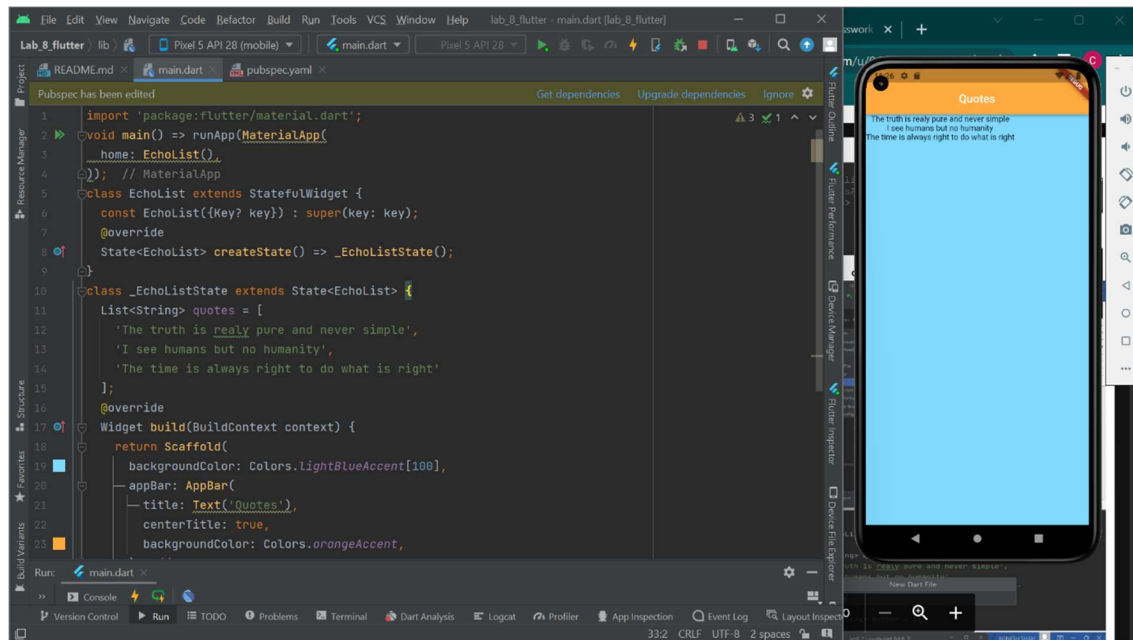
```dart
class _EchoListState extends State<EchoList> {
  List<String> quotes = [
    'The truth is realy pure and never simple',
    'I see humans but no humanity',
    'The time is always right to do what is right'
  ];
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: 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(),
      ),
    );
  }
}
```



```dart
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
```
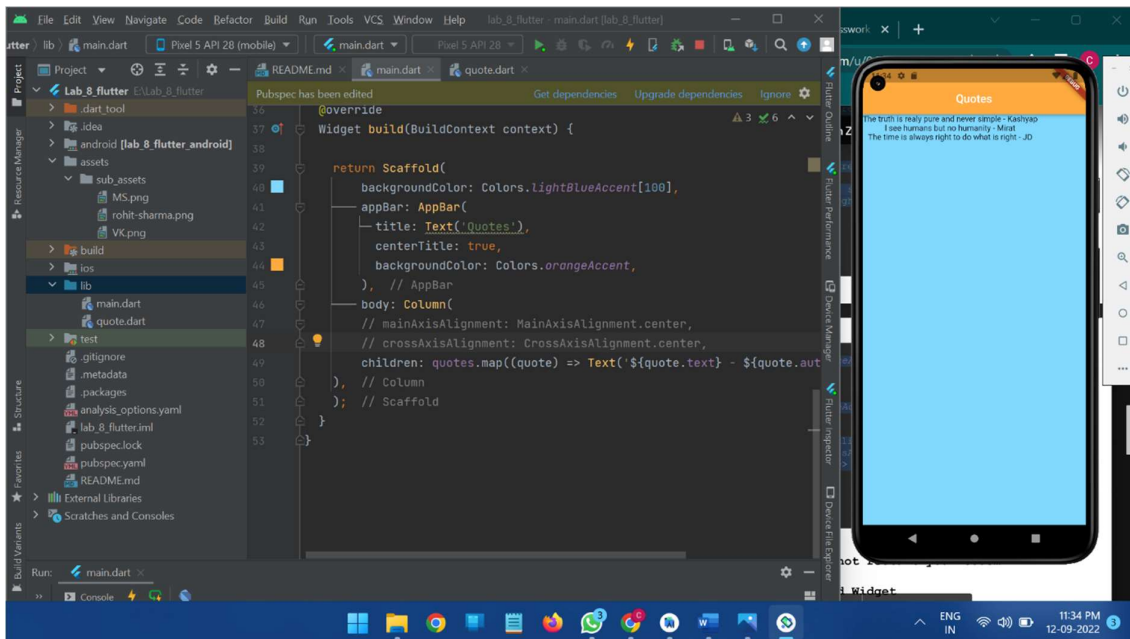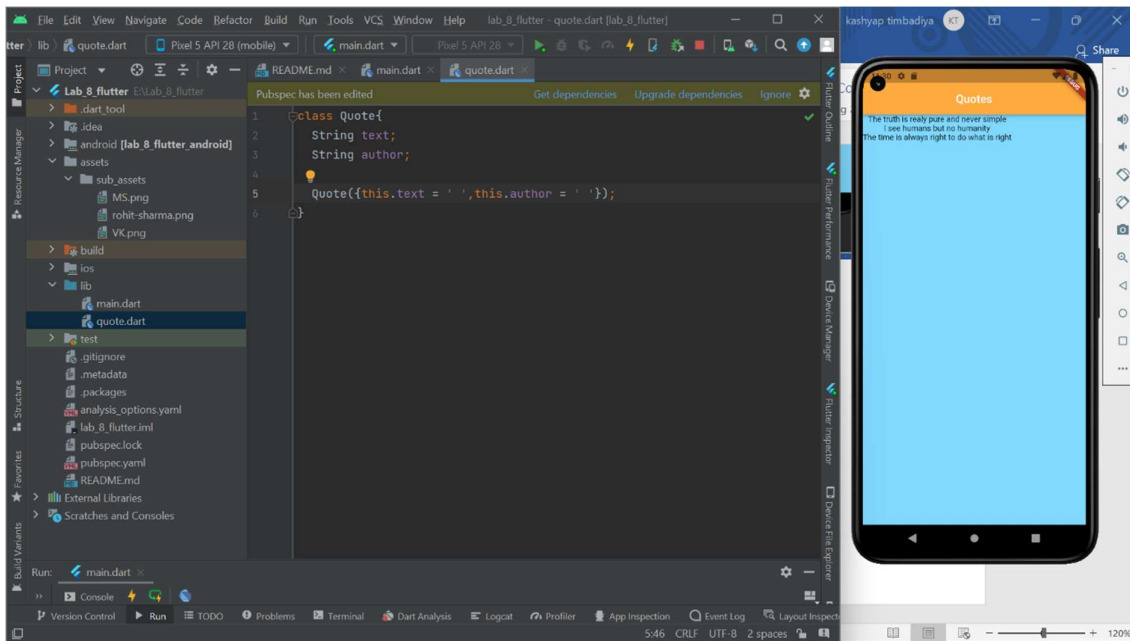
```dart
  State<EchoList> createState() => _EchoListState();
}
class _EchoListState extends State<EchoList> {
/*
List<String> quotes = [
'The truth is realy pure and never simple',
'I see humans but no humanity',
'The time is always right to do what is right'
];
// List<String> author = [];
*/
/* this will create error..because list is now not of string....
List<String> quotes = [
Quote(text: 'The truth is realy pure and never simple',author:
'Kashyap'),
];
*/
  List<Quote> quotes = [
    Quote(text: 'The truth is realy pure and never simple',author:
    'Kashyap'),
    Quote(author: 'Mirat', text: 'I see humans but no humanity'),
    Quote(text: 'The time is always right to do what is right',author:
    'JD'),
  ];

  @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.text} -
${quote.author}')).toList(),
    ),
    );
  }
}
```

Screenshot 1 - quote.dart:

```dart
class Quote{
  String text;
  String author;

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

Screenshot 2 - main.dart:

```dart
  @override
  Widget build(BuildContext context) {

    return Scaffold(
      backgroundColor: Colors.lightBlueAccent[100],
      appBar: AppBar(
        title: Text('Quotes'),
        centerTitle: true,
        backgroundColor: Colors.orangeAccent,
      ), // AppBar
      body: Column(
        // mainAxisAlignment: MainAxisAlignment.center,
        // crossAxisAlignment: CrossAxisAlignment.center,
        children: quotes.map((quote) => Text('${quote.text} - ${quote.aut
      ), // Column
    ); // Scaffold
  }
}
```

Card Widget:

```dart
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<String> quotes = [
'The truth is realy pure and never simple',
'I see humans but no humanity',
'The time is always right to do what is right'
];
// List<String> author = [];
*/
/* this will create error..because list is now not of string....
List<String> quotes = [
Quote(text: 'The truth is realy pure and never simple',author:
'Kashyap'),
];
*/
  List<Quote> quotes = [
    Quote(text: 'The truth is realy pure and never simple',author:
    'Kashyap'),

    Quote(author: 'Mirat', text: 'I see humans but no humanity'),
    Quote(text: 'The time is always right to do what is right',author:
    'JD'),
  ];
  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: 20,

                color: Colors.deepPurple,

              ),
            ),
            SizedBox(height: 10),
            Text(
              quote.author,
              style: TextStyle(
                fontSize: 26,
```

```dart
                    color: Colors.deepPurple,

                ),
            ),
        ],
        ),
    ),
    );
  }
  @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) => quoteTemplate(quote)).toList(),
        ),
    );
  }
}
```