Name: Kaklotar Gaurav Amarshibhai

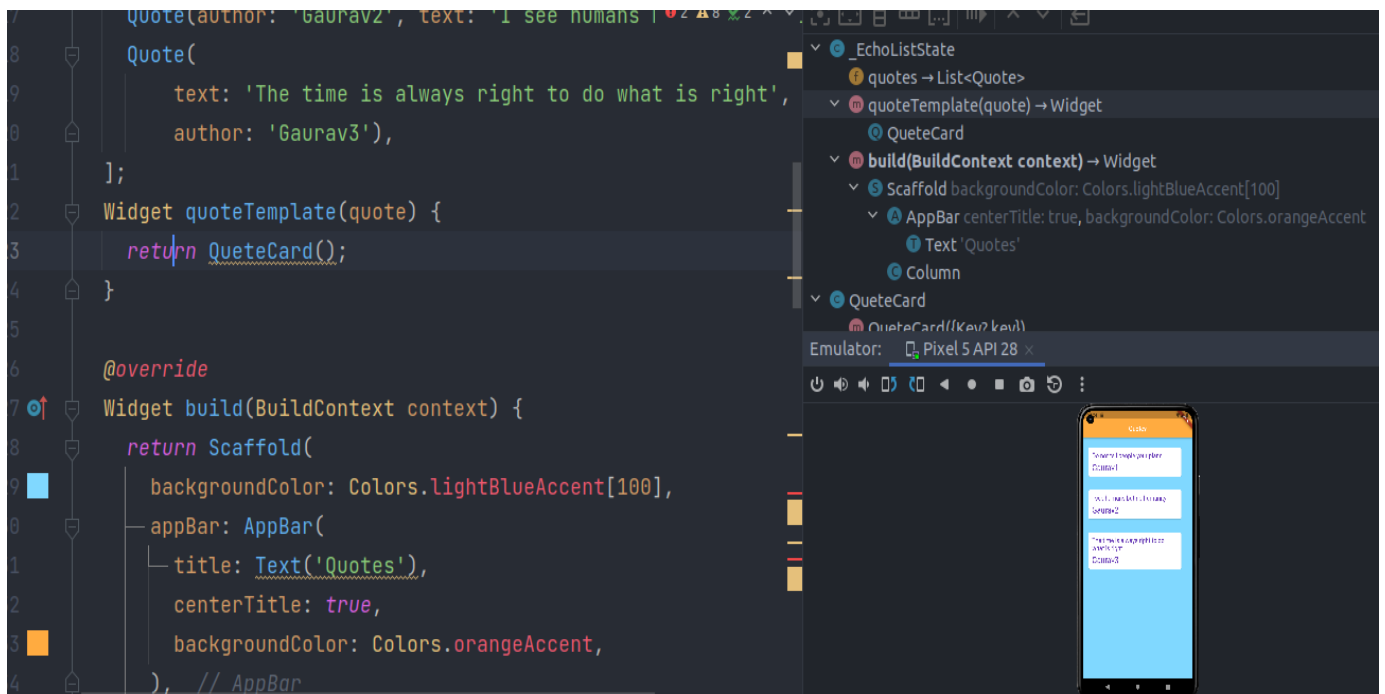**Subject:** SDP

Batch: A3

Roll No: CE053

ID No: 20CEUBG084

Lab9 Tutorial-1

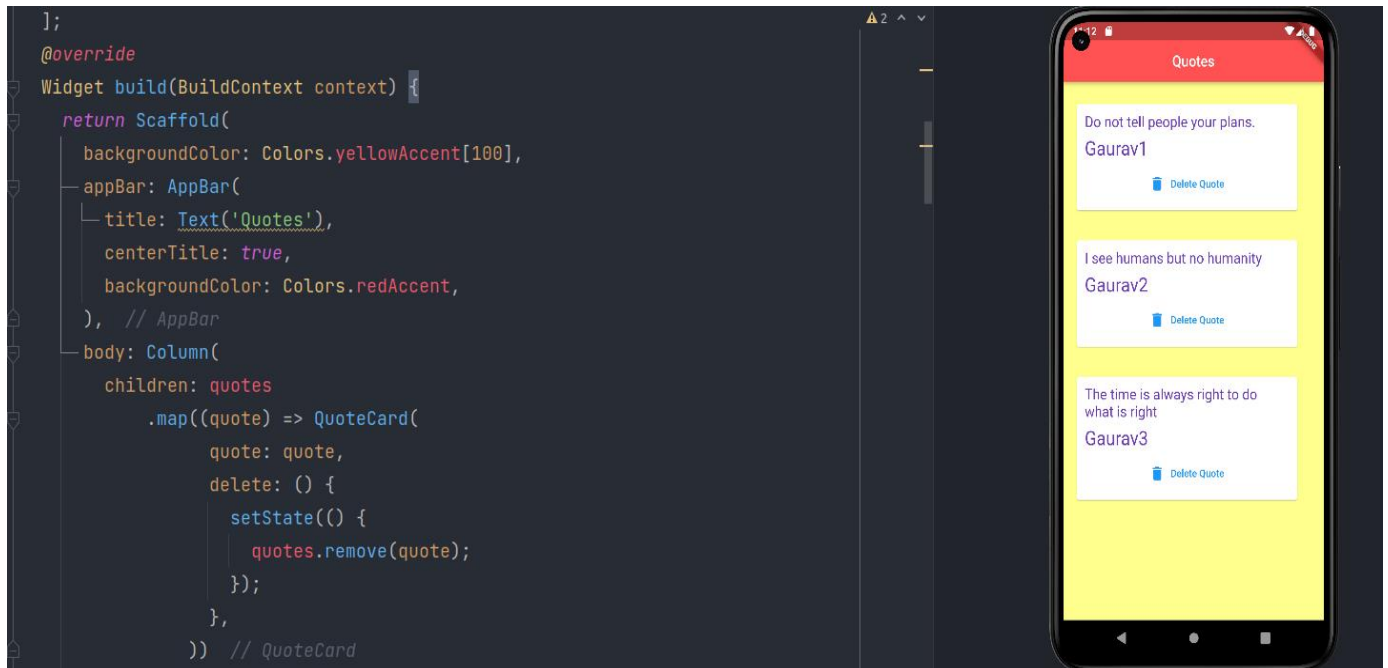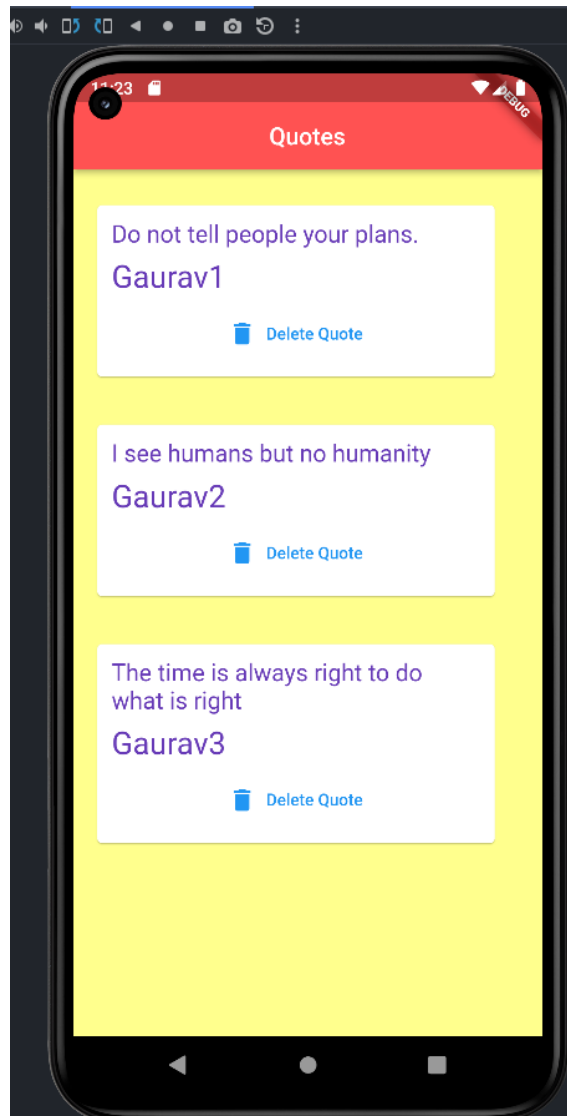**Extracting Widget card From Previous code:**

Make changes in "QuoteCard" constructor.

Now no need to call function. Because we can now call object directly.

Output is same as Before.

The FlatButton , RaisedButton and OutlineButton widgets have been replaced
by TextButton , ElevatedButton , and OutlinedButton respectively.

```dart
];
@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.yellowAccent[100],
    appBar: AppBar(
      title: Text('Quotes'),
      centerTitle: true,
      backgroundColor: Colors.redAccent,
    ), // AppBar
    body: Column(
      children: quotes
        .map((quote) => QuoteCard(
          quote: quote,
          delete: () {
            setState(() {
              quotes.remove(quote);
            });
          },
        )) // QuoteCard
```

```dart
final Quote quote;
final VoidCallback delete;
QuoteCard({required this.quote,required this.delete});
@override
Widget build(BuildContext context) {
  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,
            ), // TextStyle
          ), // Text
          SizedBox(height: 10),
```

Do not tell people your plans.

Gaurav1

🗑 **Delete Quote**

I see humans but no humanity

Gaurav2

🗑 **Delete Quote**

The time is always right to do what is right

Gaurav3

🗑 **Delete Quote**

When we are click on Delete quote that particular quote will be deleted.

Here FlateButton widgets is replaced with TextButton on quote_card.dart file.

FInal Code:

main.dart

```dart
import 'package:flutter/material.dart';
// import 'package:lab9_t1/quote.dart';
import 'quote.dart';
import 'quote_card.dart';

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

class EchoList extends StatefulWidget {
  @override
  State<EchoList> createState() => _EchoListState();
}

class _EchoListState extends State<EchoList> {
  List<Quote> quotes = [
    Quote(text: 'Do not tell people your plans.', author: 'Gaurav1'),
    Quote(author: 'Gaurav2', text: 'I see humans but no humanity'),
    Quote(
        text: 'The time is always right to do what is right',
        author: 'Gaurav3'),
  ];
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.yellowAccent[100],
      appBar: AppBar(
        title: Text('Quotes'),
        centerTitle: true,
        backgroundColor: Colors.redAccent,
      ),
```

```dart
      body: Column(
        children: quotes
            .map((quote) => QuoteCard(
              quote: quote,
              delete: () {
                setState(() {
                  quotes.remove(quote);
                });
              },
            ))
            .toList(),
      ),
    );
  }
}

// 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: 'Do not tell people your plans.', author: 'Gaurav1'),
    Quote(author: 'Gaurav2', text: 'I see humans but no humanity'),
```

```
    Quote(
       text: 'The time is always right to do what is right',
       author: 'Gaurav3'),
  ];
  Widget quoteTemplate(quote) {
   return QuoteCard(quote: quote,);
  }

  @override
  Widget build(BuildContext context) {
   return Scaffold(
     backgroundColor: Colors.lightBlueAccent[100],
     appBar: AppBar(
      title: Text('Quotes'),
      centerTitle: true,
      backgroundColor: Colors.orangeAccent,
     ),
     body: Column(
      children: quotes.map((quote) => quoteTemplate(quote)).toList(),
     ),
   );
  }
}
 */

/*
class QuoteCard extends StatelessWidget {
 // const QuoteCard({
 //  Key? key,
 // }) : super(key: key);
```

```dart
@override
Widget build(BuildContext context) {
  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,
              color: Colors.deepPurple,
            ),
          ),
        ],
      ),
    ),
  );
}
}
```

```
*/

/*
class QuoteCard extends StatelessWidget {
  // const QuoteCard({Key? key}) : super(key: key);
  final Quote quote;
  QuoteCard({required this.quote});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.lightBlueAccent[100],
      appBar: AppBar(
        title: Text('Quotes'),
        centerTitle: true,
        backgroundColor: Colors.orangeAccent,
      ),
      body: Column(
        children: quotes.map((quote) => QuoteCard(quote: quote)).toList(),
      ),
    );
  }
}
*/
```

Quote_card.dart

```dart
import 'package:flutter/material.dart';
import 'package:lab9_t1/quote.dart';
class QuoteCard extends StatelessWidget {

  final Quote quote;
  final VoidCallback delete;
  QuoteCard({required this.quote,required this.delete});
  @override
  Widget build(BuildContext context) {
    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,
                color: Colors.deepPurple,
              ),
            ),
```

```
        SizedBox(height: 8.0,),
        TextButton.icon(
/*
our data doesn't exist inside this stateless widget class..
data are in 'main.dart' file. ..
*/
          onPressed: delete,
          icon: Icon(Icons.delete),
          label: Text('Delete Quote'),
        ),
      ],
    ),
  ),
 );
 }
}
```

Quote.dart

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

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

Github LInk: