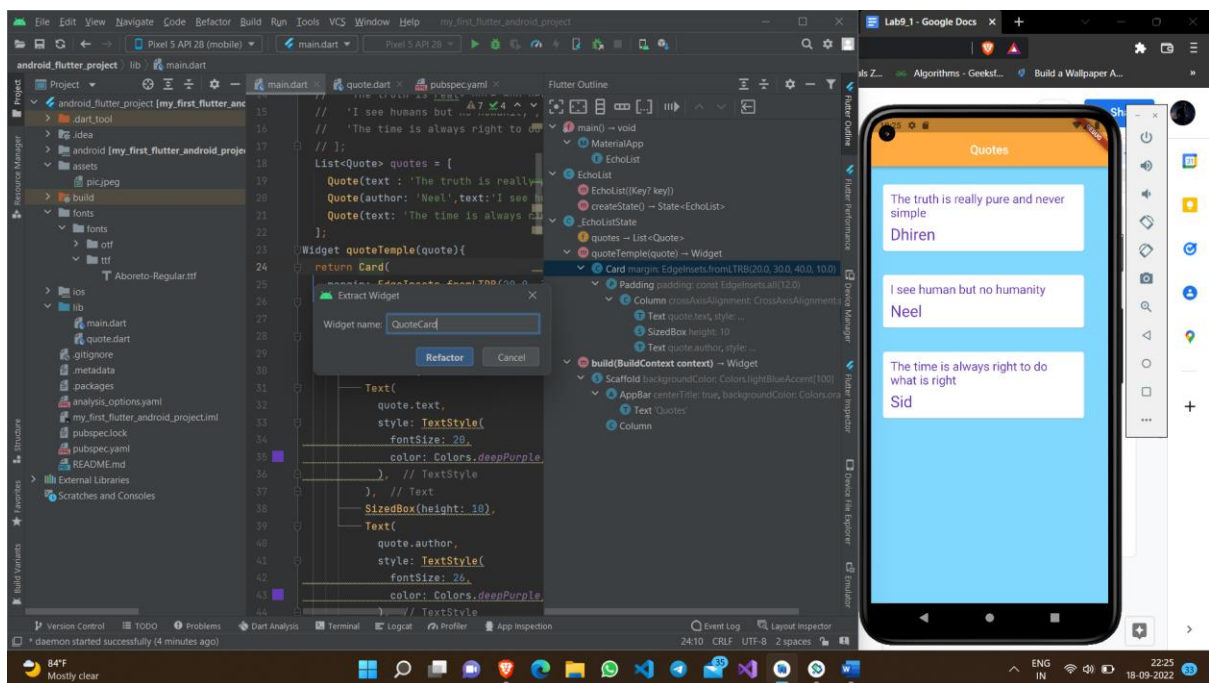
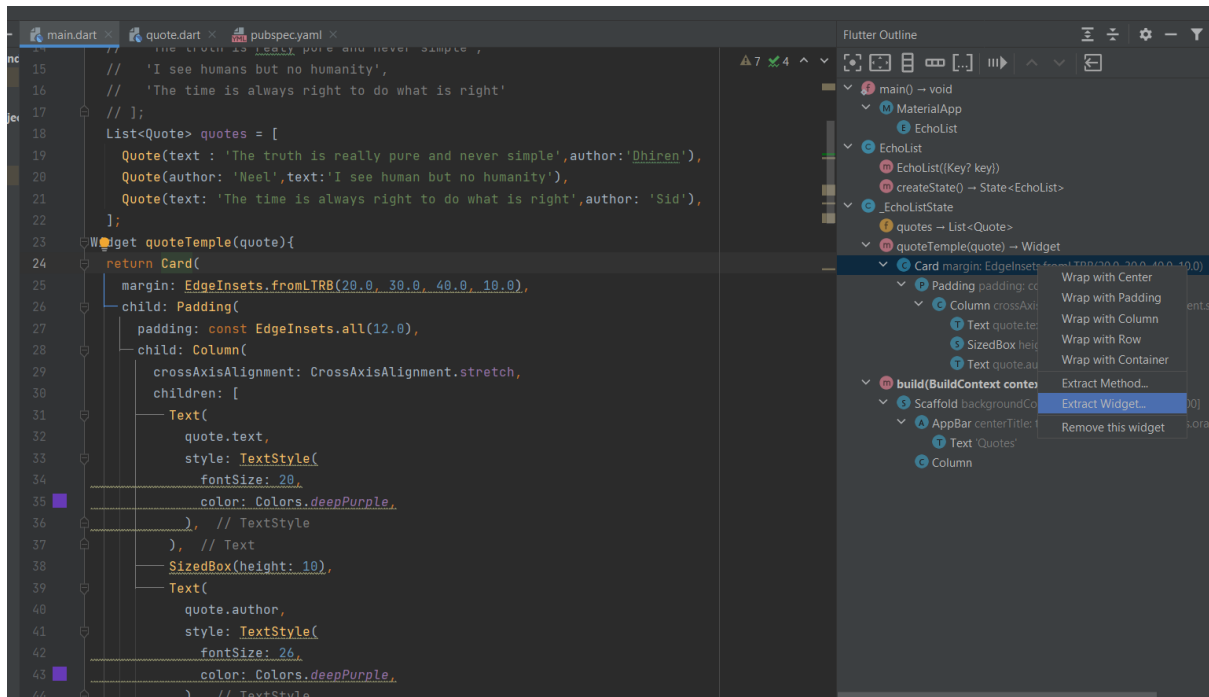
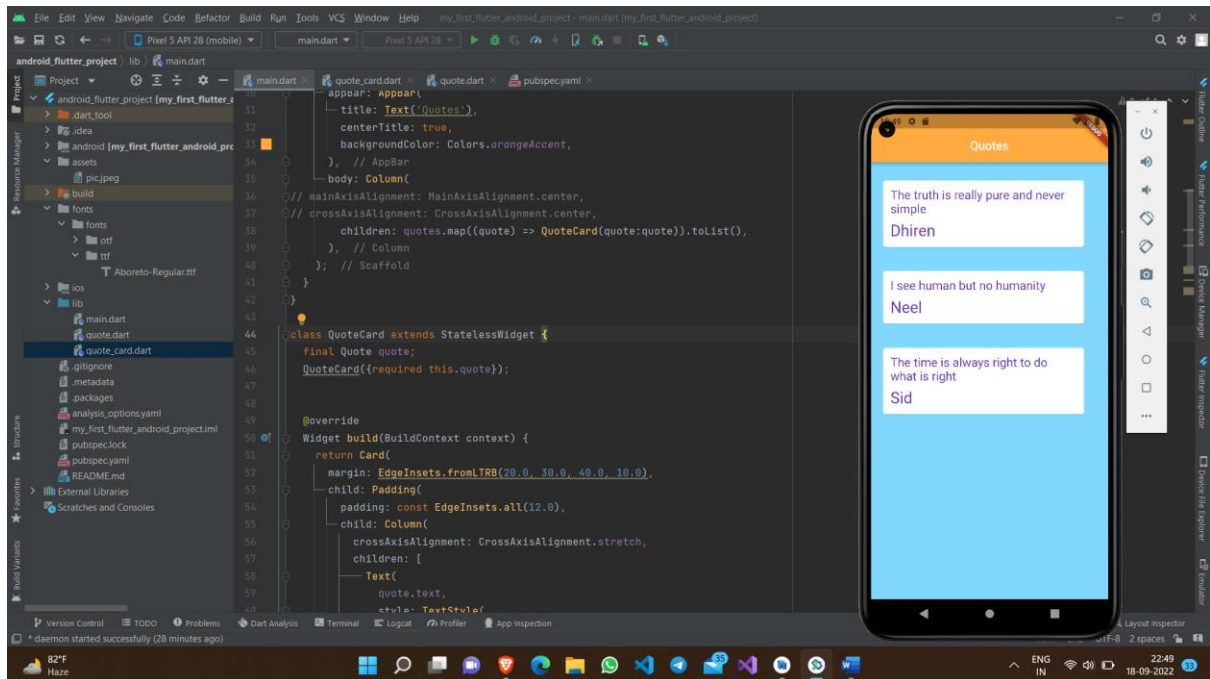
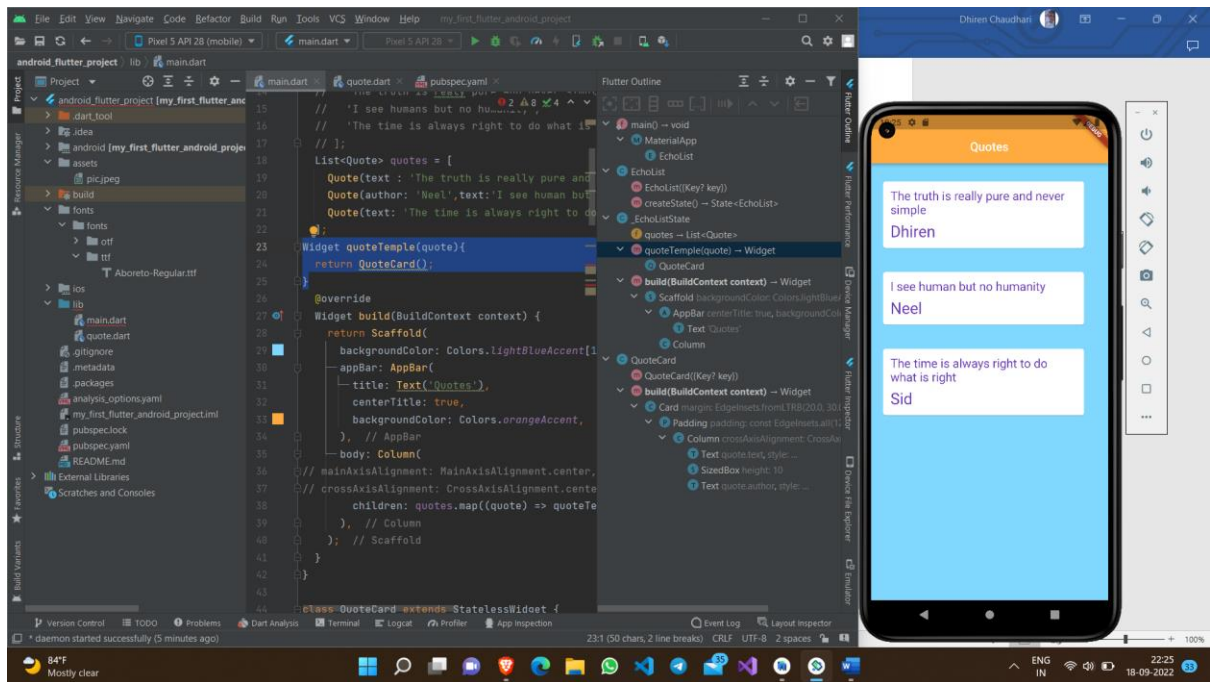


Name : Chaudhari DhirenKumar Anilbhai

Roll No : CE025

Sub : SDP_Lab9_1





Main.Dart :

```
main.dart x quote_card.dart x quote.dart x pubspec.yaml x
1 import 'package:flutter/material.dart';
2 //import 'package:my_first_flutter_android_project/quote.dart';
3 import 'quote.dart';
4 import 'package:my_first_flutter_android_project/quote_card.dart';
5 void main() => runApp(MaterialApp(
6   home: EchoList(),
7 )); // MaterialApp
8 class EchoList extends StatefulWidget {
9   const EchoList({Key? key}) : super(key: key);
10  @override
11  State<EchoList> createState() => _EchoListState();
12 }
13 class _EchoListState extends State<EchoList> {
14   // List<String> quotes = [
15   //   'The truth is really pure and never simple',
16   //   'I see humans but no humanity',
17   //   'The time is always right to do what is right'
18   // ];
19   List<Quote> quotes = [
20     Quote(text: 'The truth is really pure and never simple',author:'Dhiren'),
21     Quote(author: 'Neel',text:'I see human but no humanity'),
22     Quote(text: 'The time is always right to do what is right',author: 'Sid'),
23   ];
24   Widget quoteTemple(quote){
25     return QuoteCard(quote: quote,);
26   }
27   @override
28   Widget build(BuildContext context) {
29     return Scaffold(
30       backgroundColor: Colors.lightBlueAccent[100],
31       appBar: AppBar(
32         title: Text('Quotes'),
33         centerTitle: true,
34         backgroundColor: Colors.orangeAccent,
35       ), // AppBar
36       body: Column(
37         // mainAxisAlignment: MainAxisAlignment.center,
38         // crossAxisAlignment: CrossAxisAlignment.center,
39         children: quotes.map((quote) => QuoteCard(quote:quote)).toList(),
40       ), // Column
41     ); // Scaffold
42   }
43 }
```

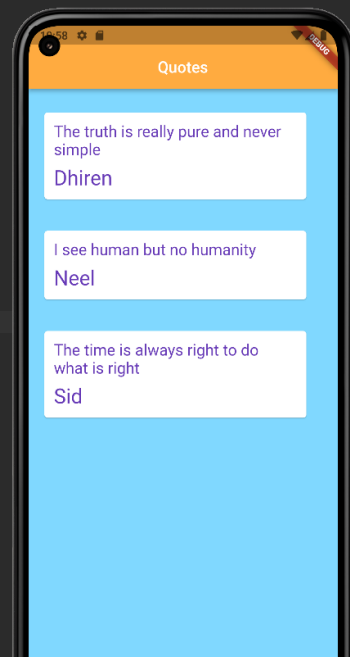
Quote_card.dart :

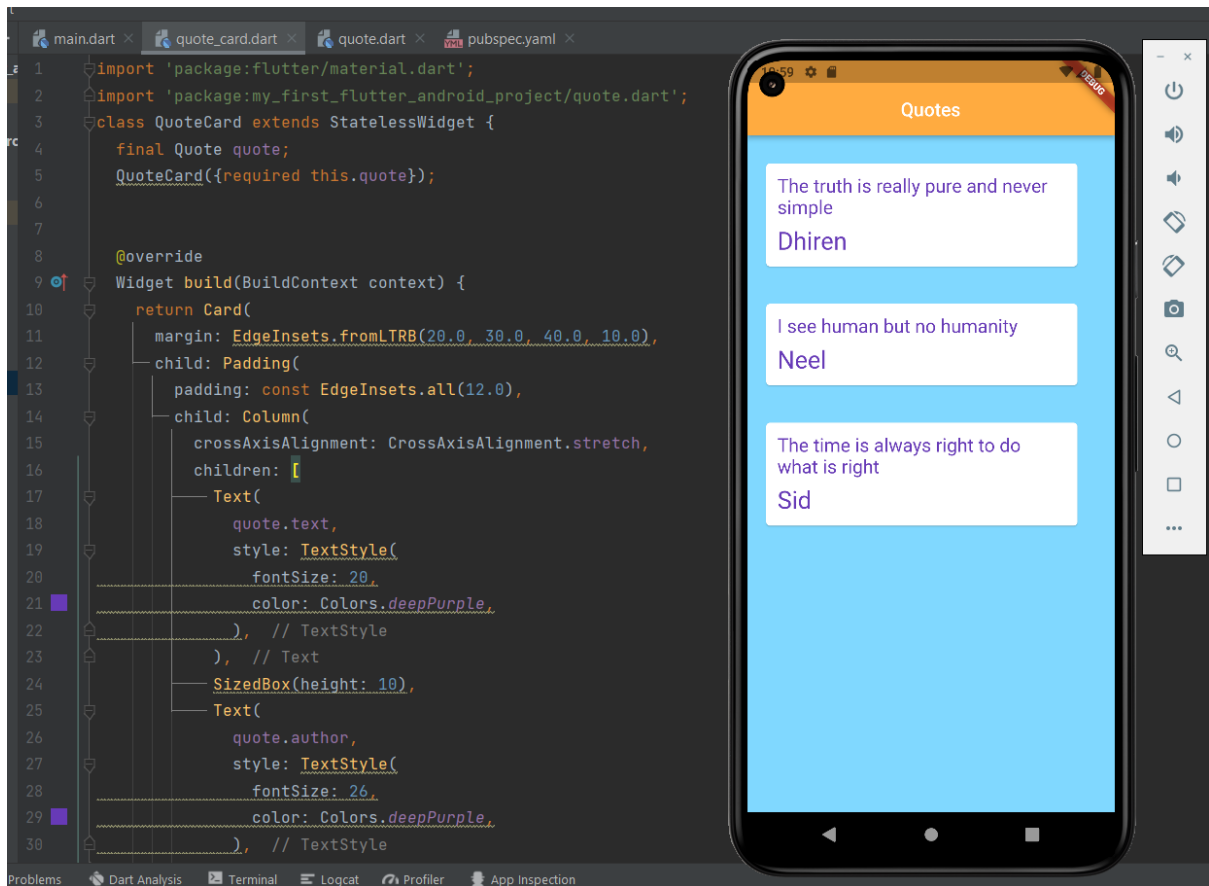
```
main.dart x quote_card.dart x quote.dart x pubspec.yaml x
1 import 'package:flutter/material.dart';
2 import 'package:my_first_flutter_android_project/quote.dart';
3 class QuoteCard extends StatelessWidget {
4   final Quote quote;
5   QuoteCard({required this.quote});
6
7
8   @override
9   Widget build(BuildContext context) {
10    return Card(
11      margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
12      child: Padding(
13        padding: const EdgeInsets.all(12.0),
14        child: Column(
15          crossAxisAlignment: CrossAxisAlignment.stretch,
16          children: [
17            Text(
18              quote.text,
19              style: TextStyle(
20                fontSize: 20,
21                color: Colors.deepPurple,
22              ), // TextStyle
23            ), // Text
24            SizedBox(height: 10),
25            Text(
26              quote.author,
27              style: TextStyle(
28                fontSize: 26,
29                color: Colors.deepPurple,
30              ), // TextStyle
31            ), // Text
32          ],
33        ), // Column
34      ), // Padding
35    ); // Card
36  }
37 }
```

Quote.dart:

```
main.dart x quote_card.dart x quote.dart x pubspec.yaml x
1 class Quote {
2   String text;
3   String author;
4   //
5   Quote({this.text = '',this.author = ''});
6 }
```

```
main.dart x quote_card.dart x quote.dart x pubspec.yaml x
4 import 'package:my_first_flutter_android_project/quote_card.dart';
5 void main() => runApp(MaterialApp(
6   home: EchoList(),
7 )); // MaterialApp
8 class EchoList extends StatefulWidget {
9   const EchoList({Key? key}) : super(key: key);
10  @override
11  State<EchoList> createState() => _EchoListState();
12 }
13 class _EchoListState extends State<EchoList> {
14   // List<String> quotes = [
15   //   'The truth is really pure and never simple',
16   //   'I see humans but no humanity',
17   //   'The time is always right to do what is right'
18   // ];
19   List<Quote> quotes = [
20     Quote(text: 'The truth is really pure and never simple',author:'Dhiren'),
21     Quote(author: 'Neel',text:'I see human but no humanity'),
22     Quote(text: 'The time is always right to do what is right',author: 'Sid'),
23   ];
24   Widget quoteTemple(quote){
25     return QuoteCard(quote: quote,);
26   }
27   @override
28   Widget build(BuildContext context) {
29     return Scaffold(
30       backgroundColor: Colors.lightBlueAccent[100],
31       appBar: AppBar(
32         title: Text('Quotes'),
33         centerTitle: true,
```

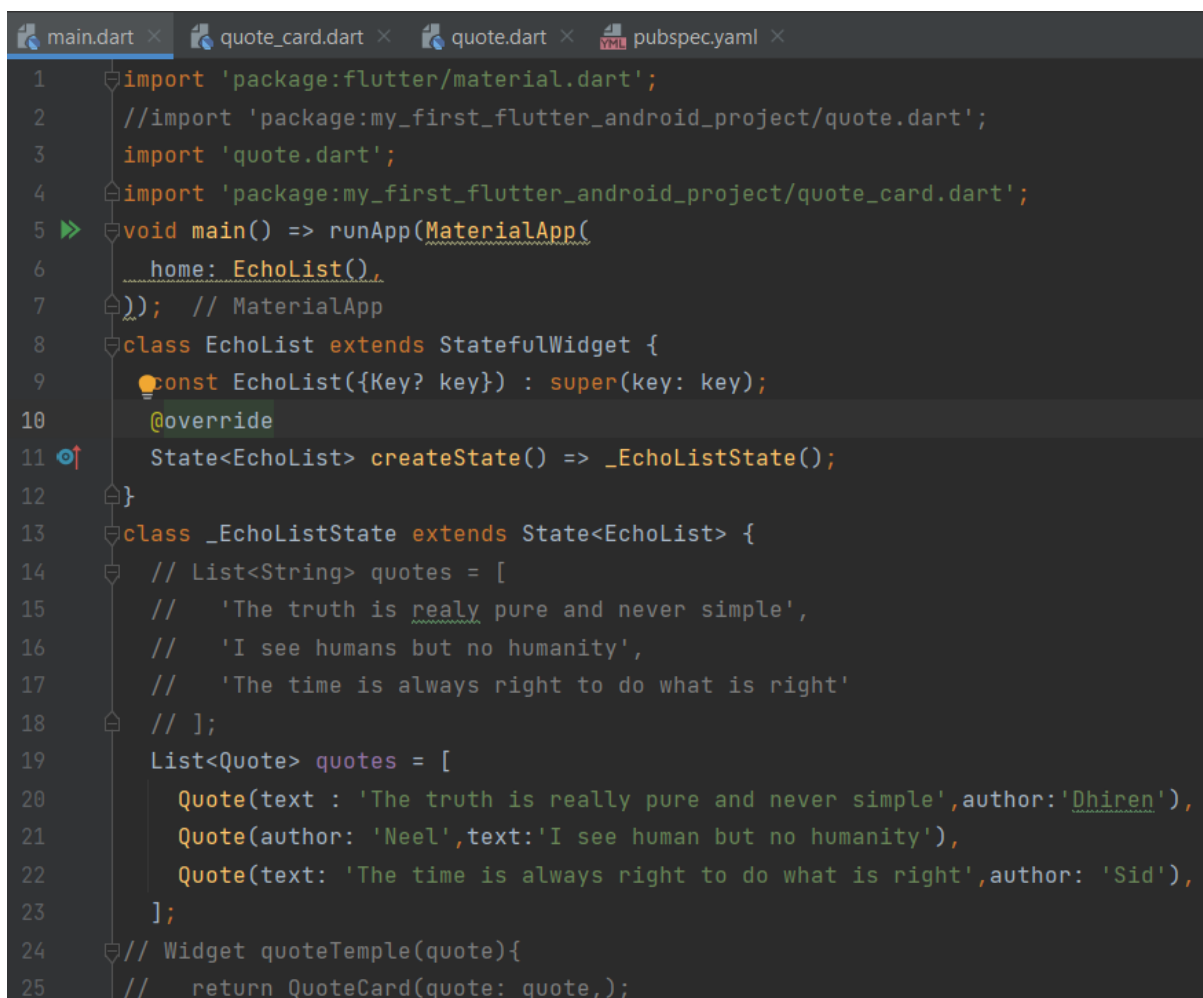




Code Test2:

Function as arguments and real use of “Stateful widget”..“delete” operation...

Main.dart :



```
1 import 'package:flutter/material.dart';
2 //import 'package:my_first_flutter_android_project/quote.dart';
3 import 'quote.dart';
4 import 'package:my_first_flutter_android_project/quote_card.dart';
5 void main() => runApp(MaterialApp(
6   home: EchoList(),
7 )); // MaterialApp
8 class EchoList extends StatefulWidget {
9   const EchoList({Key? key}) : super(key: key);
10  @override
11  State<EchoList> createState() => _EchoListState();
12 }
13 class _EchoListState extends State<EchoList> {
14   // List<String> quotes = [
15   //   'The truth is really pure and never simple',
16   //   'I see humans but no humanity',
17   //   'The time is always right to do what is right'
18   // ];
19   List<Quote> quotes = [
20     Quote(text : 'The truth is really pure and never simple',author:'Dhiren'),
21     Quote(author: 'Neel',text:'I see human but no humanity'),
22     Quote(text: 'The time is always right to do what is right',author: 'Sid'),
23   ];
24   // Widget quoteTemple(quote){
25   //   return QuoteCard(quote: quote,);
```

```

26 // }
27 @override
28 Widget build(BuildContext context) {
29   return Scaffold(
30     backgroundColor: Colors.lightBlueAccent[100],
31     appBar: AppBar(
32       title: Text('Quotes'),
33       centerTitle: true,
34       backgroundColor: Colors.orangeAccent,
35     ), // AppBar
36     body: Column(
37       children: quotes.map((quote) => QuoteCard(
38         quote: quote,
39         delete: (){
40           setState( ){
41             quotes.remove(quote);
42           });
43       },
44       ).toList(), // QuoteCard
45     // mainAxisAlignment: MainAxisAlignment.center,
46     // crossAxisAlignment: CrossAxisAlignment.center,
47     // children: quotes.map((quote) => QuoteCard(quote:quote)).toList(),
48   ), // Column
49 ); // Scaffold
50 }
51 }

```

Quote.dart:

```

main.dart x quote_card.dart x quote.dart x pubspec.ya
1 class Quote {
2   String text;
3   String author;
4
5   Quote({this.text = '',this.author = ''});
6 }

```


Quote_card.dart:

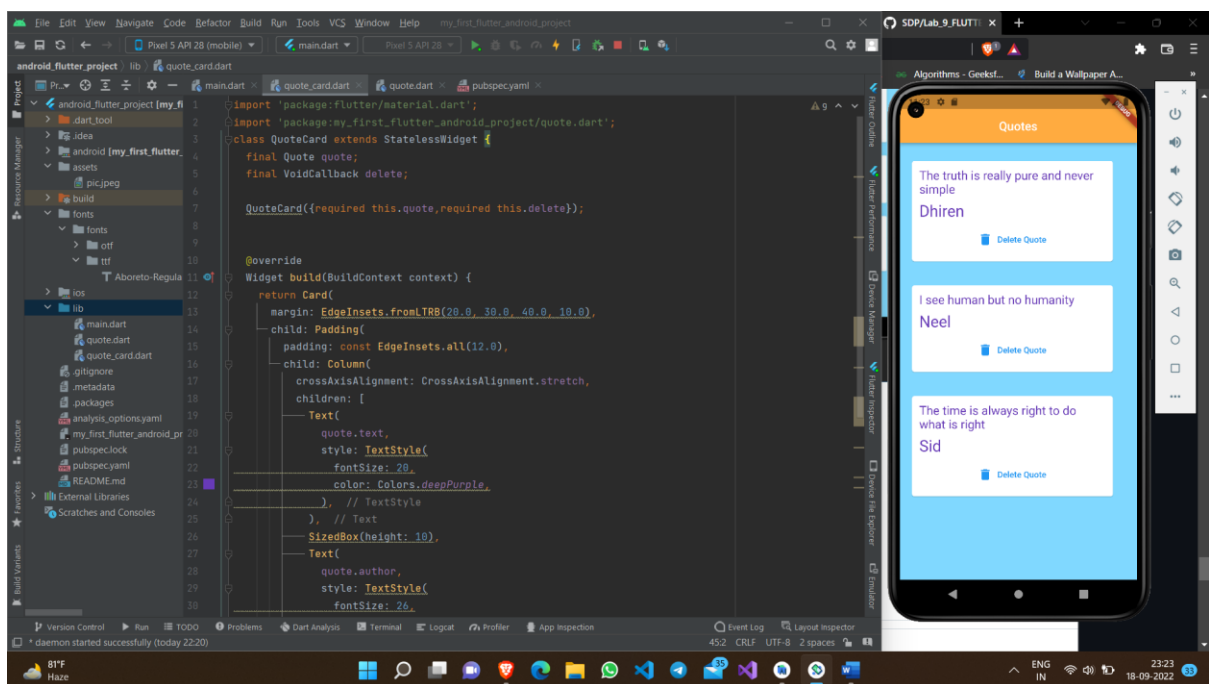
```
main.dart × quote_card.dart × quote.dart × pubspec.yaml ×
1 import 'package:flutter/material.dart';
2 import 'package:my_first_flutter_android_project/quote.dart';
3 class QuoteCard extends StatelessWidget {
4   final Quote quote;
5   final VoidCallback delete;
6
7   QuoteCard({required this.quote, required this.delete});
8
9
10  @override
11  Widget build(BuildContext context) {
12    return Card(
13      margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
14      child: Padding(
15        padding: const EdgeInsets.all(12.0),
16        child: Column(
17          crossAxisAlignment: CrossAxisAlignment.stretch,
18          children: [
19            Text(
20              quote.text,
21              style: TextStyle(
22                fontSize: 20,
23                color: Colors.deepPurple,
24              ), // TextStyle
25            ), // Text
26            SizedBox(height: 10),
```

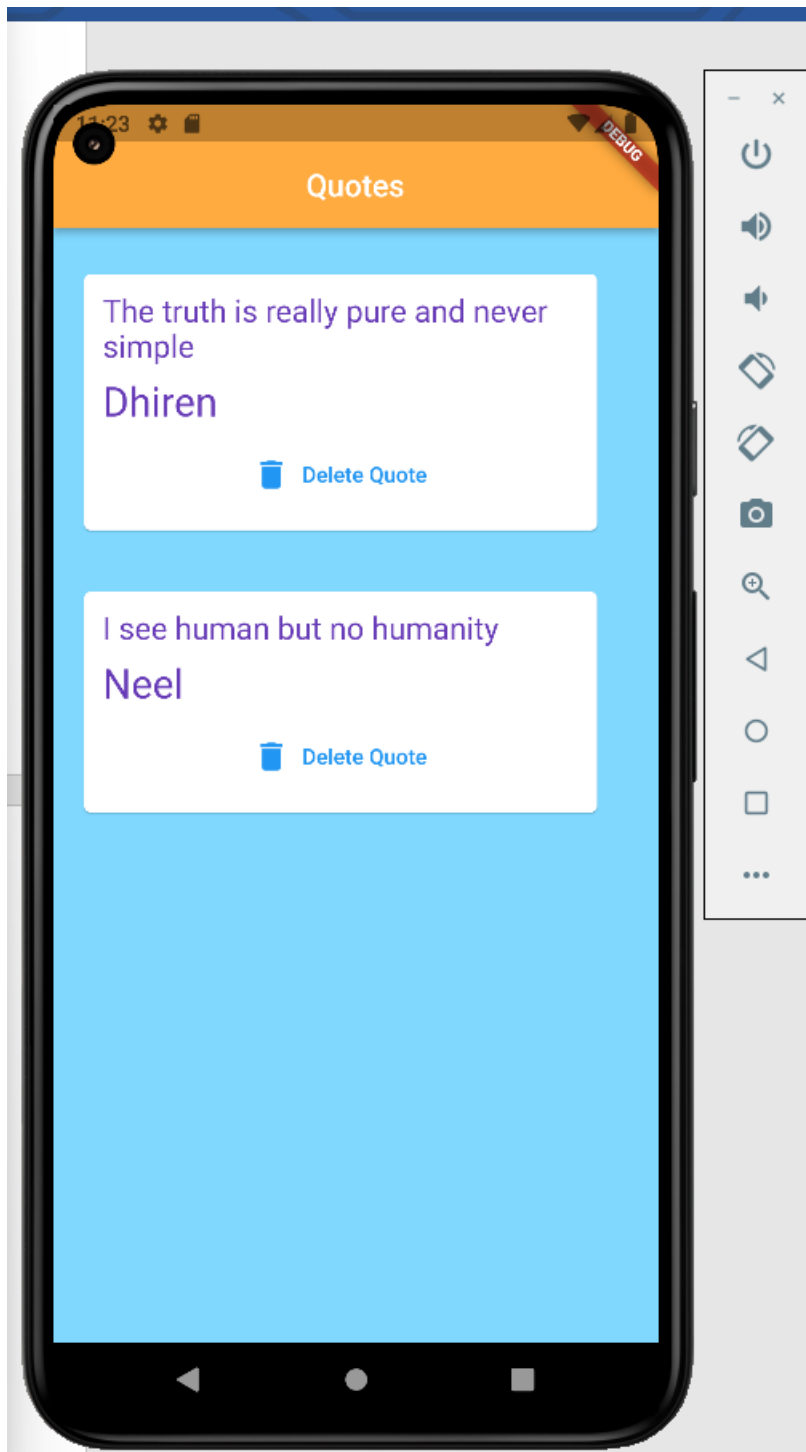
```
26            SizedBox(height: 10),
27            Text(
28              quote.author,
29              style: TextStyle(
30                fontSize: 26,
31                color: Colors.deepPurple,
32              ), // TextStyle
33            ), // Text
34            SizedBox(height: 8.0),
35            TextButton.icon(
36              onPressed: delete,
```

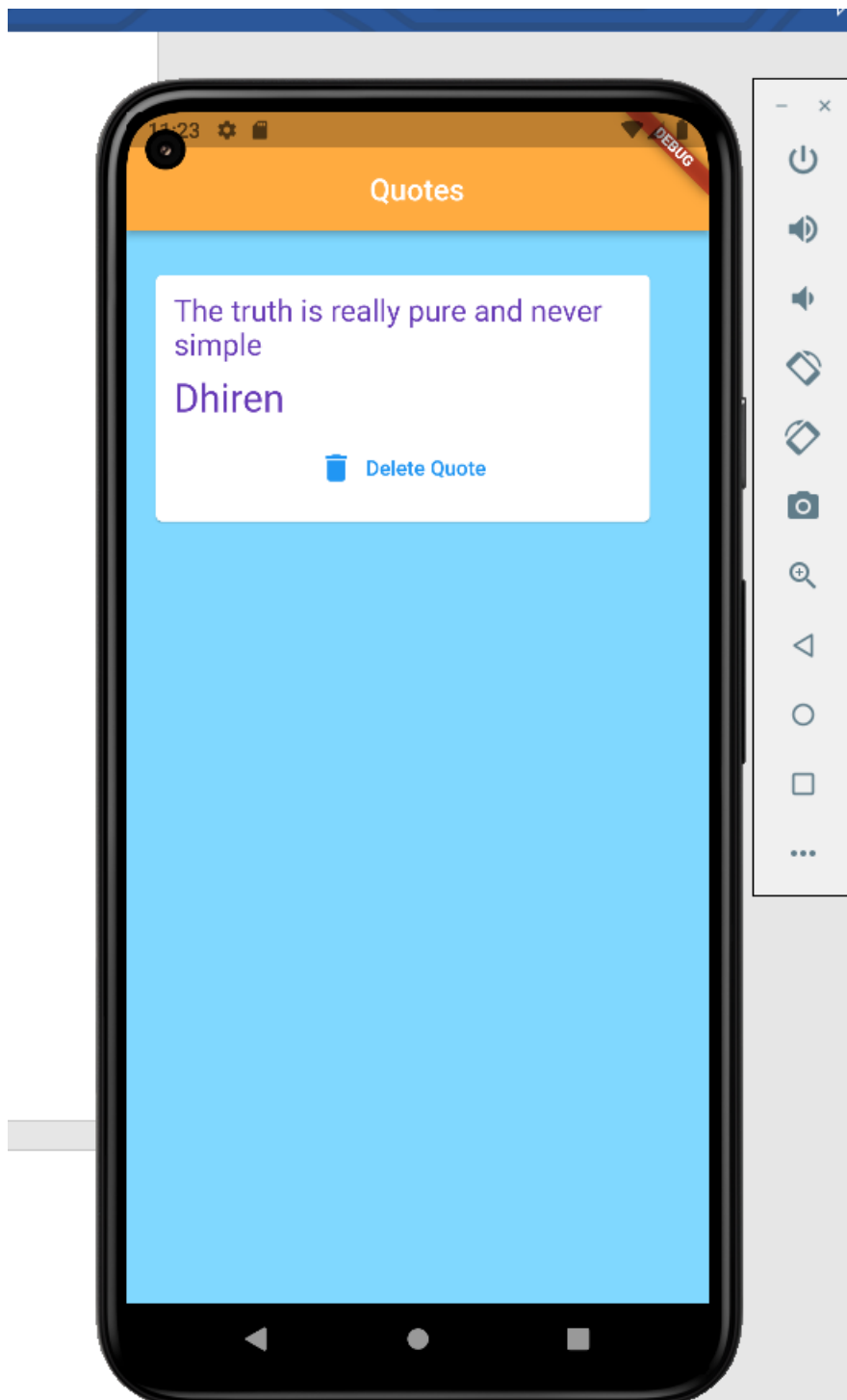
```

36         onPressed: delete,
37         icon: Icon(Icons.delete),
38         label: Text('Delete Quote'),
39       ), // TextButton.icon
40     ],
41   ), // Column
42 ), // Padding
43 ); // Card
44 }
45

```







Github Link : <https://github.com/dhiren-25/SDP.git>