Lab 9

Link for assignment: https://github.com/Diya-Lad/SDP

Tutorial 1

Here we have created special stateless widget called QuoteCard for printing our quotes in special pattern.

Earlier we have done this using widget in _EchoListState class.

Main.dart

```
),
  body: Column(
     children: quotes.map((quote) => QuoteCard(quote: quote)).toList(),
     ),
  );
}
```

quote_dart.dart

```
margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
),
),
);
}
```



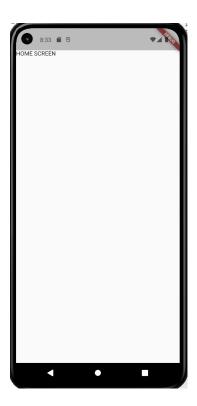
Code test 2: Function as arguments and real use of "Stateful widget" and delete operation

Main.dart

quote_card.dart



Tutorial 2



Route widget

- ➤ The application's top-level routing table.
- ➤ When a named route is pushed with Navigator.pushNamed(), the route name is looked up in this map. If the name is present, the associated widgets.WidgetBuilder() is used to construct a MaterialPageRoute that performs an appropriate transition, including Hero animations, to the new route.
- > If the app only has one page, then you can specify it using home instead.

- ➤ If home is specified, then it implies an entry in this table for the Navigator.defaultRouteName() route (/), and it is an error to redundantly provide such a route in the routes table.
- ➤ If a route is requested that is not specified in this table (or by home), then the onGenerateRoute() callback is called to build the page instead.
- ➤ The Navigator is only built if routes are provided (either via home, routes, onGenerateRoute, or onUnknownRoute); if they are not, builder must not be null.

Navigation between the pages:

Main.dart:

```
void main() => runApp(MaterialApp(
    // home: Home(),
    initialRoute: '/home',
    routes: {
        '/': (context) => Loading(),
        '/home': (context) => Home(),
        '/location': (context) => ChooseLocation(),
    }
));
```

home.dart:

}

choose_location.dart:

```
import 'package:flutter/material.dart';
class ChooseLocation extends StatefulWidget {
// const ChooseLocation({Key? key}) : super(key: key);
@override
State<ChooseLocation> createState() => _ChooseLocationState();
}
class _ChooseLocationState extends State<ChooseLocation> {
@override
Widget build(BuildContext context) {
    return Scaffold(
        backgroundColor: Colors.cyan[100],
        appBar: AppBar(
            backgroundColor: Colors.deepPurpleAccent,
            title: Text('Choose Location'),
            centerTitle: true,
            elevation: 0,
        ),
        body: Text('Choose location screen'),
        );
}
```

- > The Navigator class provides all the navigation capabilities in a Flutter app.
- Navigator provides methods to mutate the stack by a push to stack or by popping from the stack. The Navigator.push() method is for navigating to a newer page and Navigator.pop() is for going back from the current page.

