Name: Kaklotar Gaurav Amarshibhai
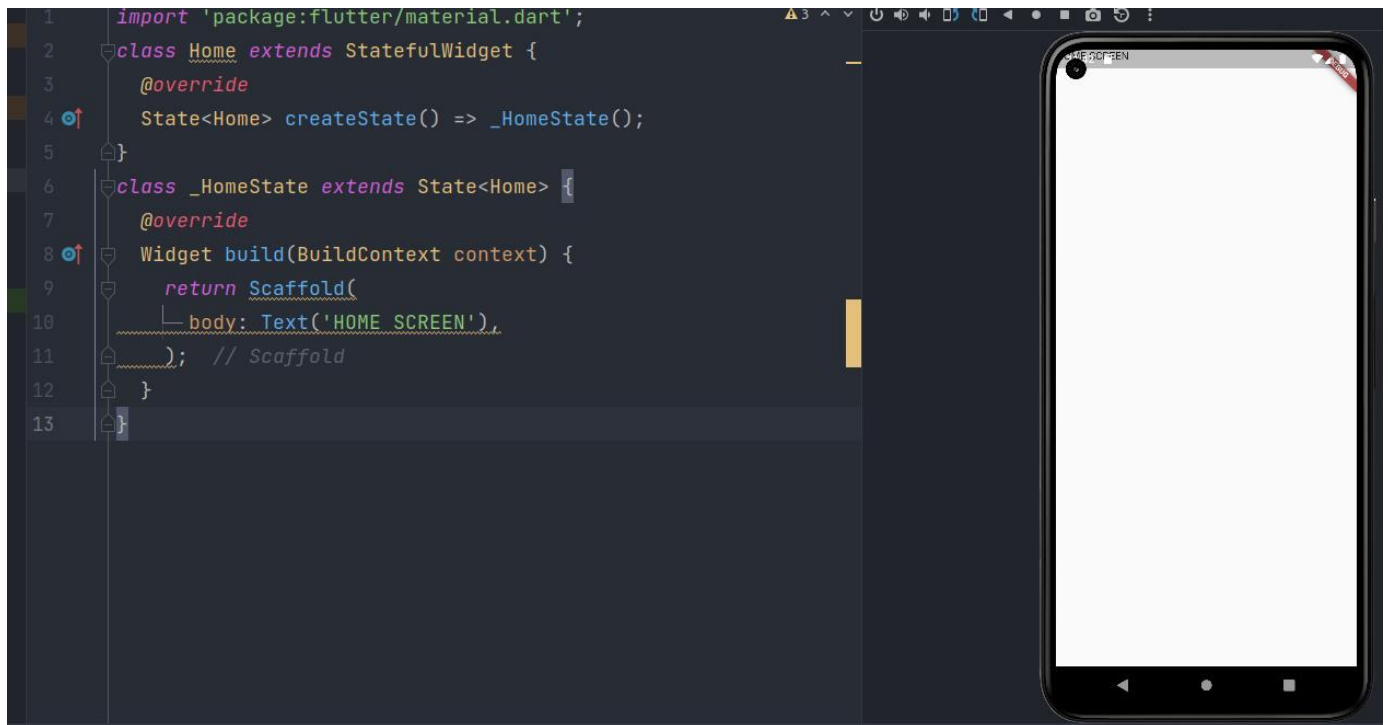
Subject: SDP

Batch: A3

Roll No: CE053
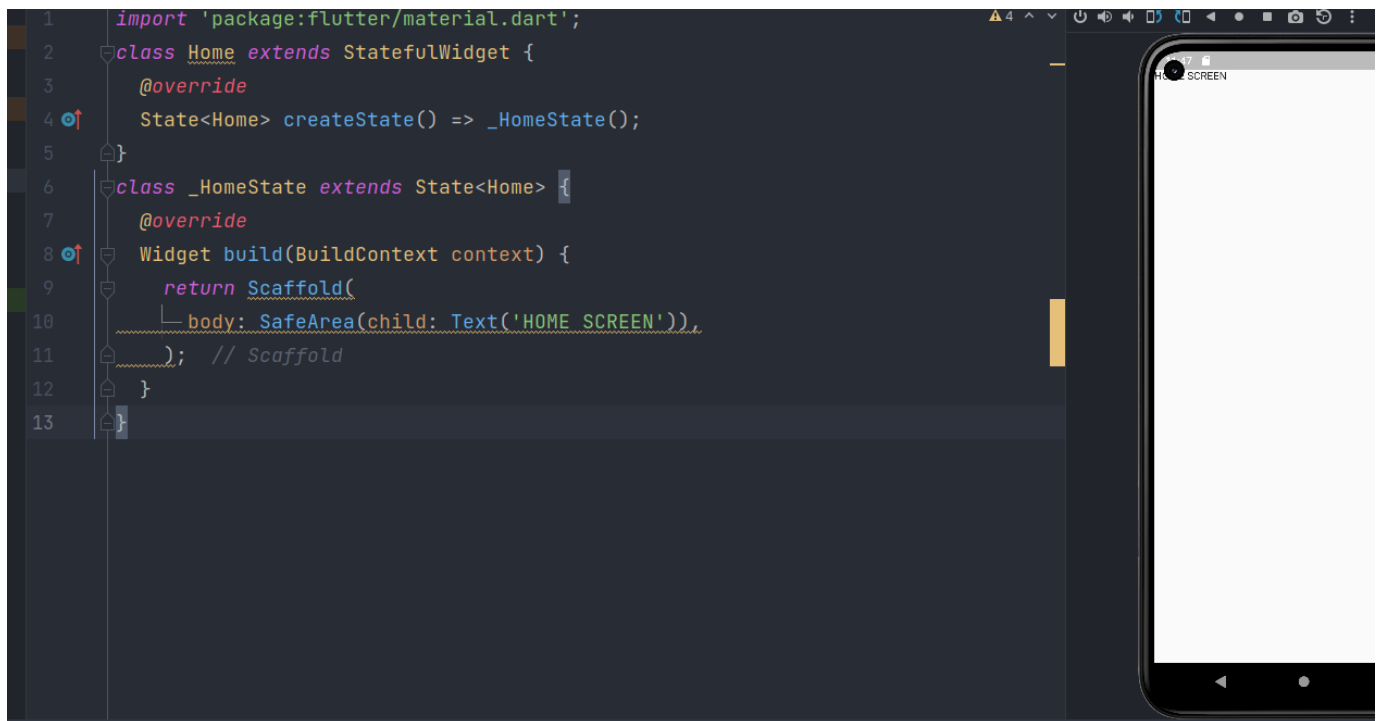
ID No: 20CEUBG084

Lab9 Tutorial-2

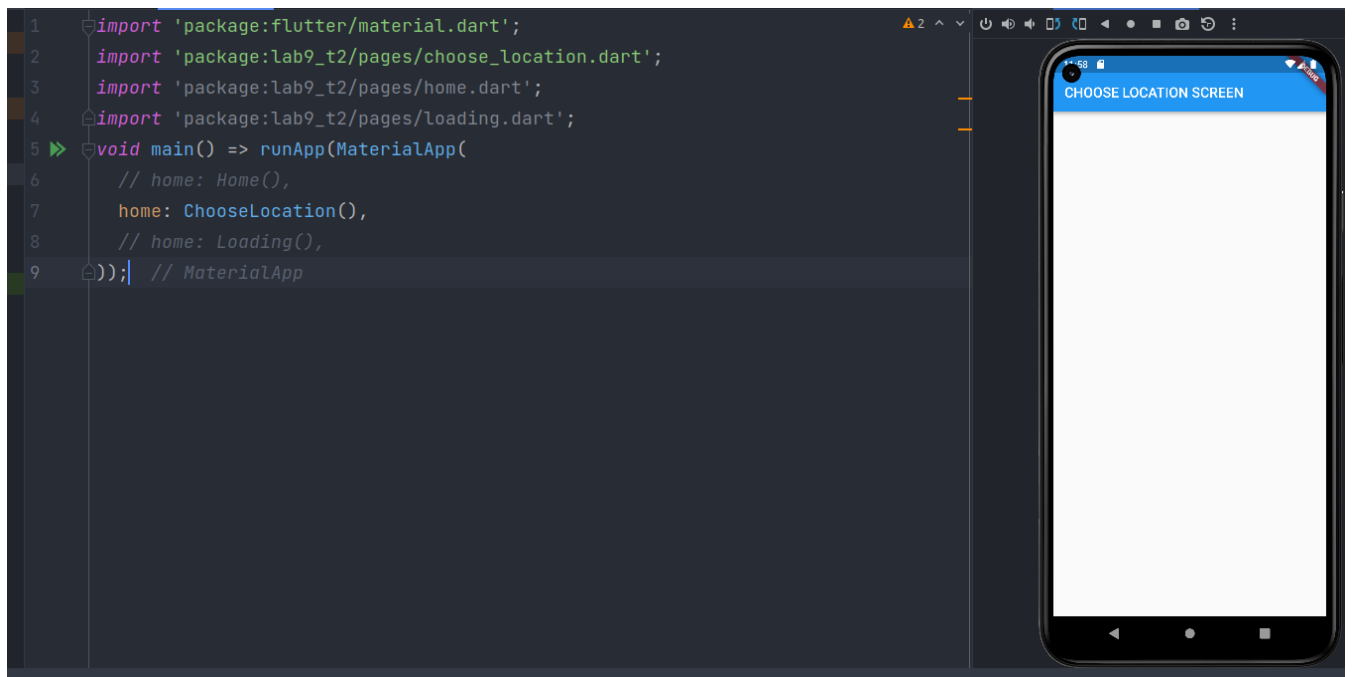In home.dart file we are using StatefulWidget.
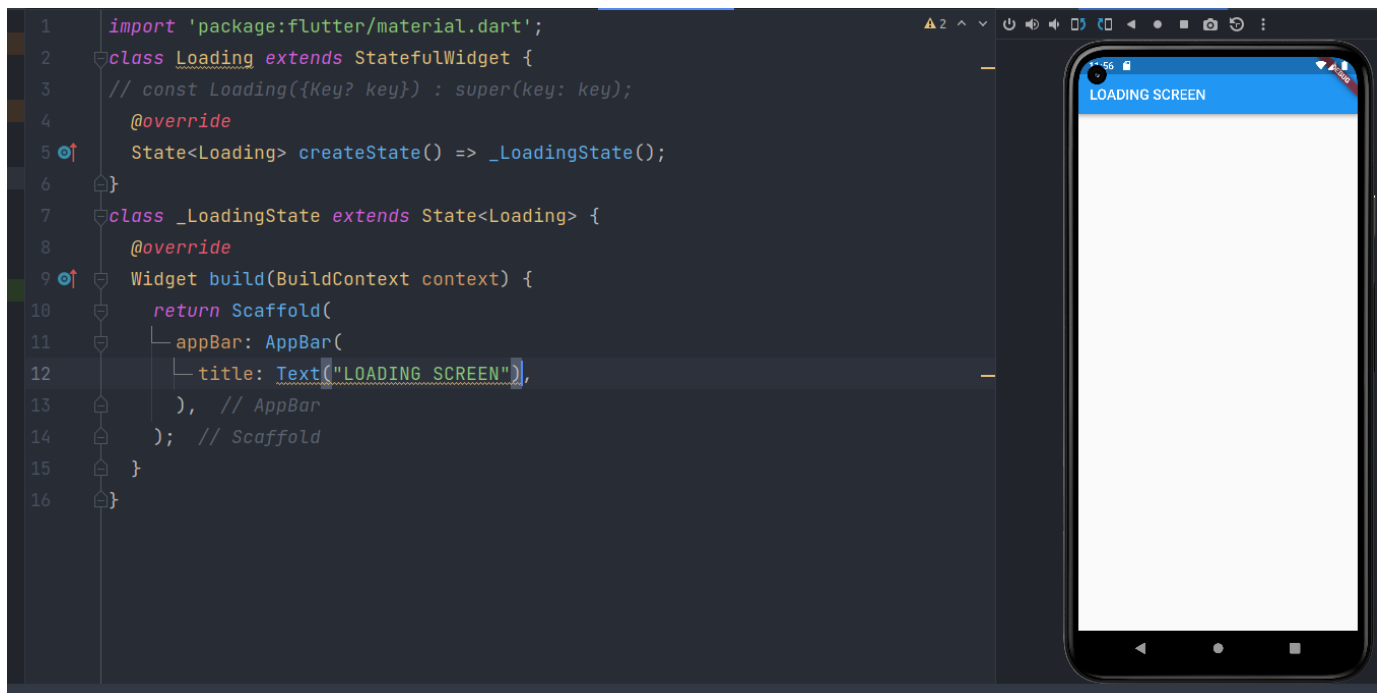

body: SafeArea(child: Text('HOME SCREEN')),

Using SafeArea HOME SCREEN text get some padding.

```dart
import 'package:flutter/material.dart';
class Home extends StatefulWidget {
  @override
  State<Home> createState() => _HomeState();
}
class _HomeState extends State<Home> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(child: Text('HOME SCREEN')),
    );  // Scaffold
  }
}
```

Choose_location.dart

```dart
import 'package:flutter/material.dart';
import 'package:lab9_t2/pages/choose_location.dart';
import 'package:lab9_t2/pages/home.dart';
import 'package:lab9_t2/pages/loading.dart';
void main() => runApp(MaterialApp(
  // home: Home(),
  home: ChooseLocation(),
  // home: Loading(),
));  // MaterialApp
```

Loading.dart

```dart
import 'package:flutter/material.dart';
class Loading extends StatefulWidget {
  // const Loading({Key? key}) : super(key: key);
  @override
  State<Loading> createState() => _LoadingState();
}
class _LoadingState extends State<Loading> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("LOADING SCREEN"),
      ),  // AppBar
    );  // Scaffold
  }
}
```

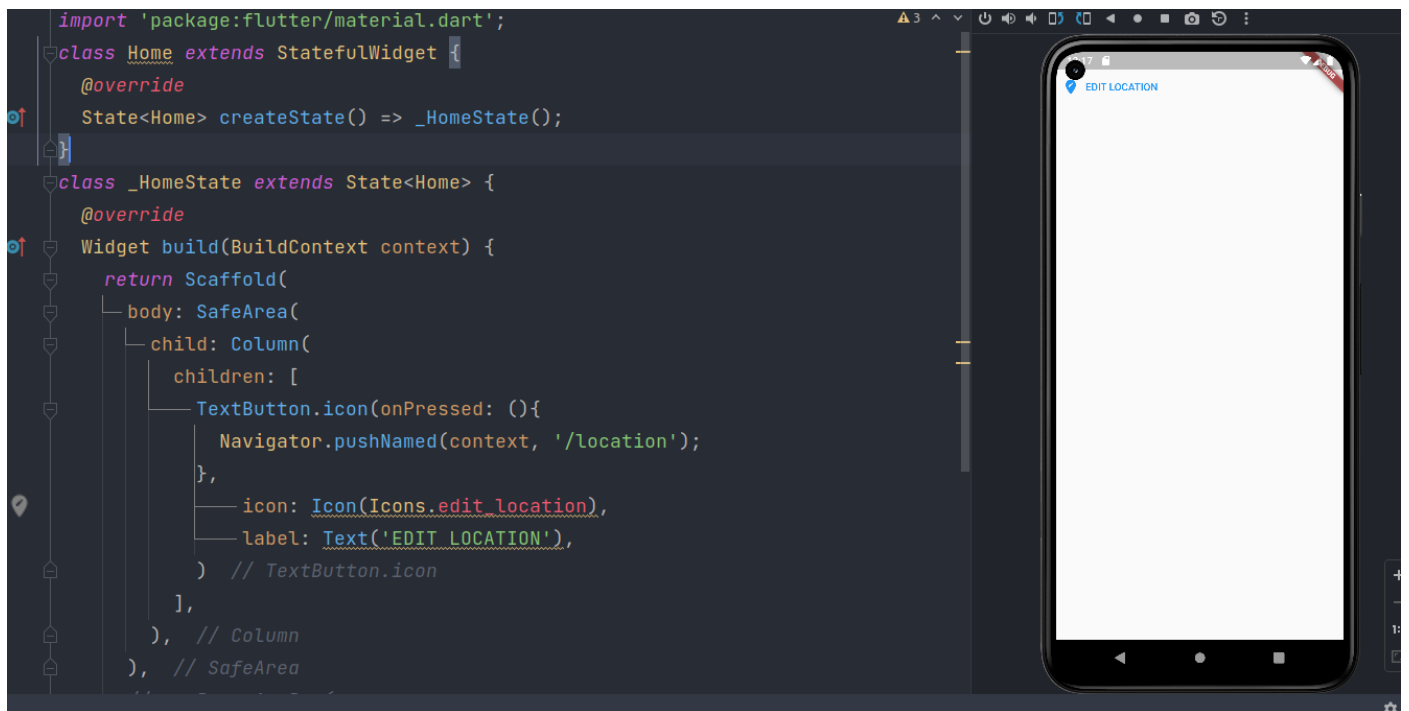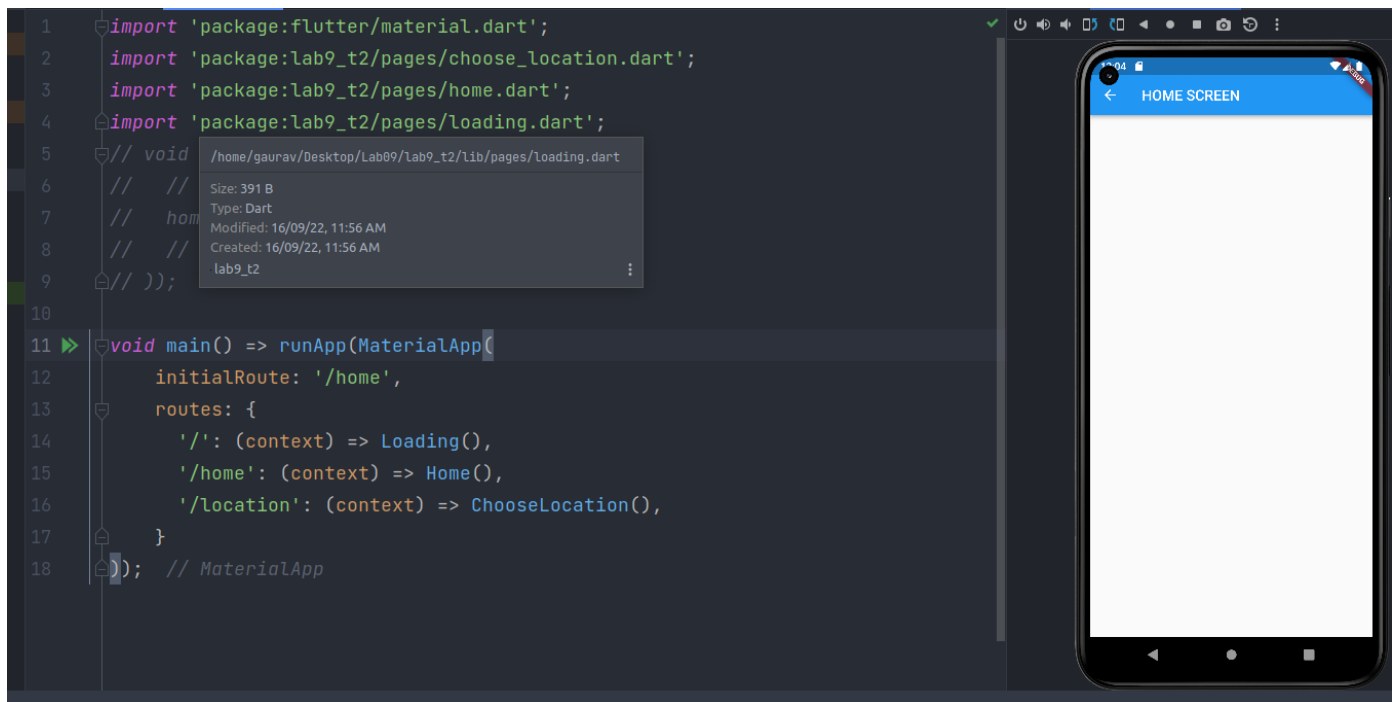If the app only has one page, then you can specify it using home instead.

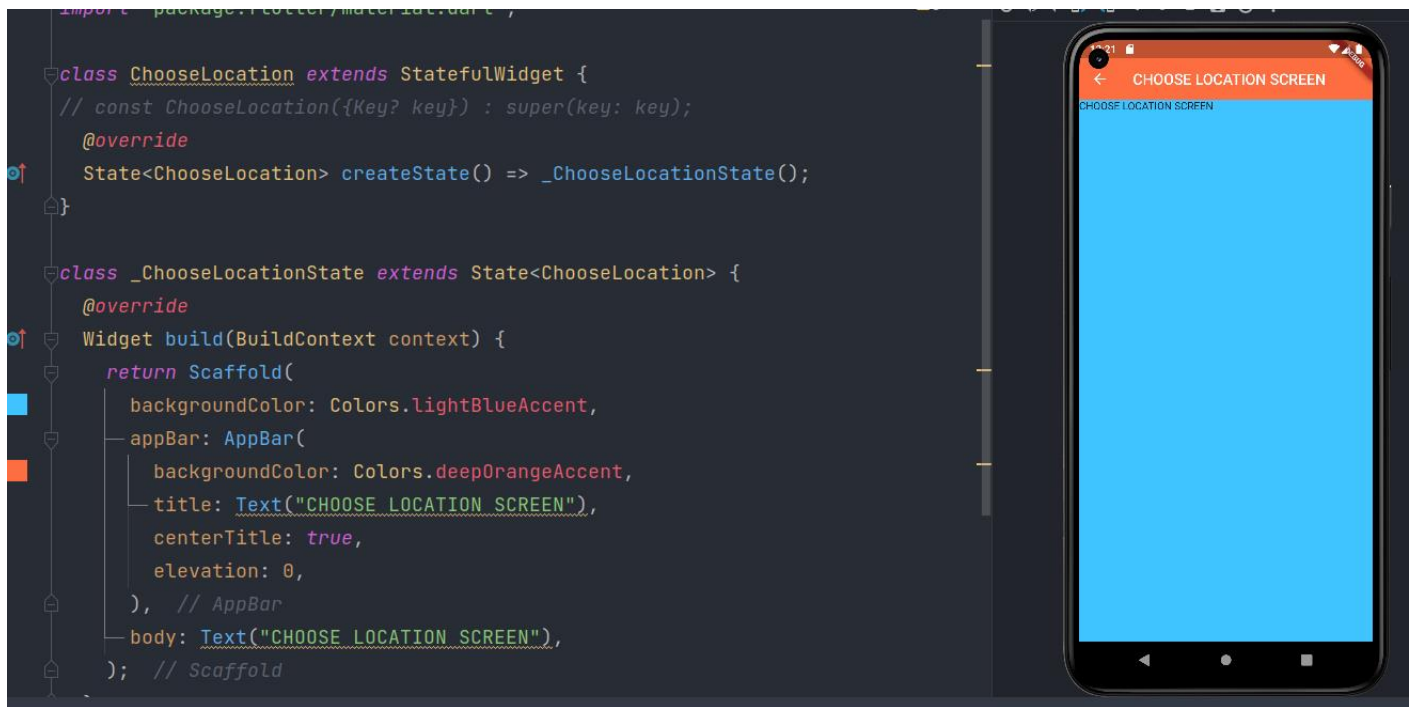If home is specified, then it implies an entry in this table for the

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.

```dart
import 'package:flutter/material.dart';
import 'package:lab9_t2/pages/choose_location.dart';
import 'package:lab9_t2/pages/home.dart';
import 'package:lab9_t2/pages/loading.dart';
// void
//    //
//    hom
//    //
// ));

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

```
/home/gaurav/Desktop/Lab09/lab9_t2/lib/pages/loading.dart

Size: 391 B
Type: Dart
Modified: 16/09/22, 11:56 AM
Created: 16/09/22, 11:56 AM
lab9_t2
```

HOME SCREEN

```dart
import 'package:flutter/material.dart';
class Home extends StatefulWidget {
  @override
  State<Home> createState() => _HomeState();
}
class _HomeState extends State<Home> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: Column(
          children: [
            TextButton.icon(onPressed: (){
              Navigator.pushNamed(context, '/location');
            },
              icon: Icon(Icons.edit_location),
              label: Text('EDIT LOCATION'),
            )  // TextButton.icon
          ],
        ),  // Column
      ),  // SafeArea
```

EDIT LOCATION

Final Code:

Main.dart

```dart
import 'package:flutter/material.dart';
import 'package:lab9_t2/pages/choose_location.dart';
import 'package:lab9_t2/pages/home.dart';
import 'package:lab9_t2/pages/loading.dart';
// void main() => runApp(MaterialApp(
//   // home: Home(),
//   home: ChooseLocation(),
//   // home: Loading(),
// ));

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

```
      }
));
```

Home.dart

```
import 'package:flutter/material.dart';
class Home extends StatefulWidget {
 @override
 State<Home> createState() => _HomeState();
}
class _HomeState extends State<Home> {
 @override
 Widget build(BuildContext context) {
  return Scaffold(
    body: SafeArea(
      child: Column(
        children: [
          TextButton.icon(onPressed: (){
            Navigator.pushNamed(context, '/location');
          },
            icon: Icon(Icons.edit_location),
            label: Text('EDIT LOCATION'),
          )
        ],
      ),
    ),
    // appBar: AppBar(
    //  title: Text("HOME SCREEN"),

  );
 }
}
```

Choose_location.dart

```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.lightBlueAccent,
      appBar: AppBar(
        backgroundColor: Colors.deepOrangeAccent,
        title: Text("CHOOSE LOCATION SCREEN"),
        centerTitle: true,
        elevation: 0,
      ),
      body: Text("CHOOSE LOCATION SCREEN"),
    );
  }
}
```

Loading.dart

```dart
import 'package:flutter/material.dart';
class Loading extends StatefulWidget {
// const Loading({Key? key}) : super(key: key);
  @override
  State<Loading> createState() => _LoadingState();
}
class _LoadingState extends State<Loading> {
  @override
```

```
  Widget build(BuildContext context) {
   return Scaffold(
    appBar: AppBar(
     title: Text("LOADING SCREEN"),
    ),
   );
  }
}
```

Github Link:

https://github.com/GauravKaklotar/SDP/tree/master/Lab09