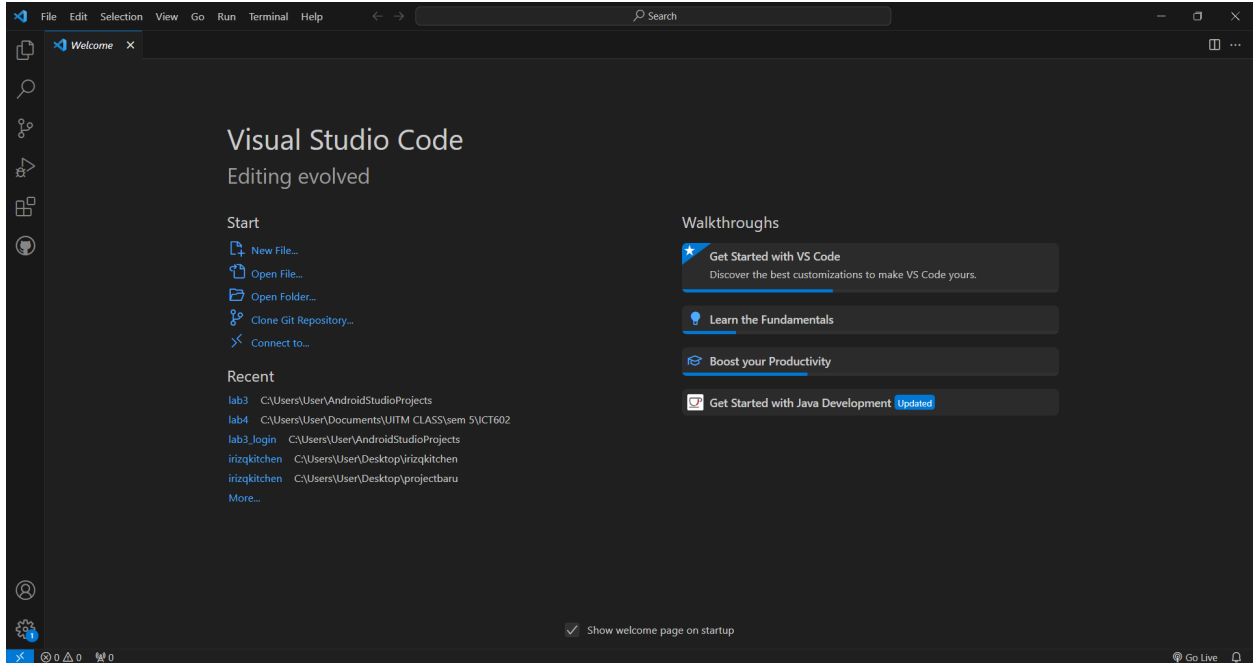
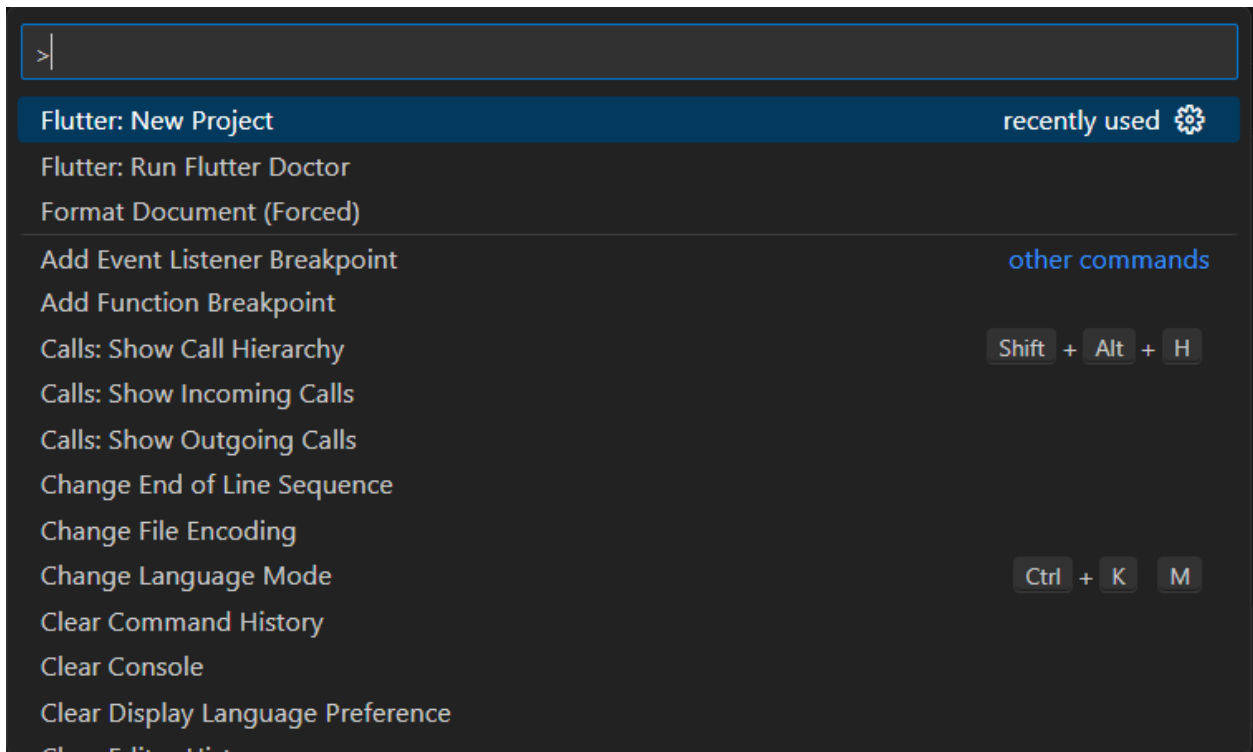


LAB 2 - DESIGN A LOGIN PAGE

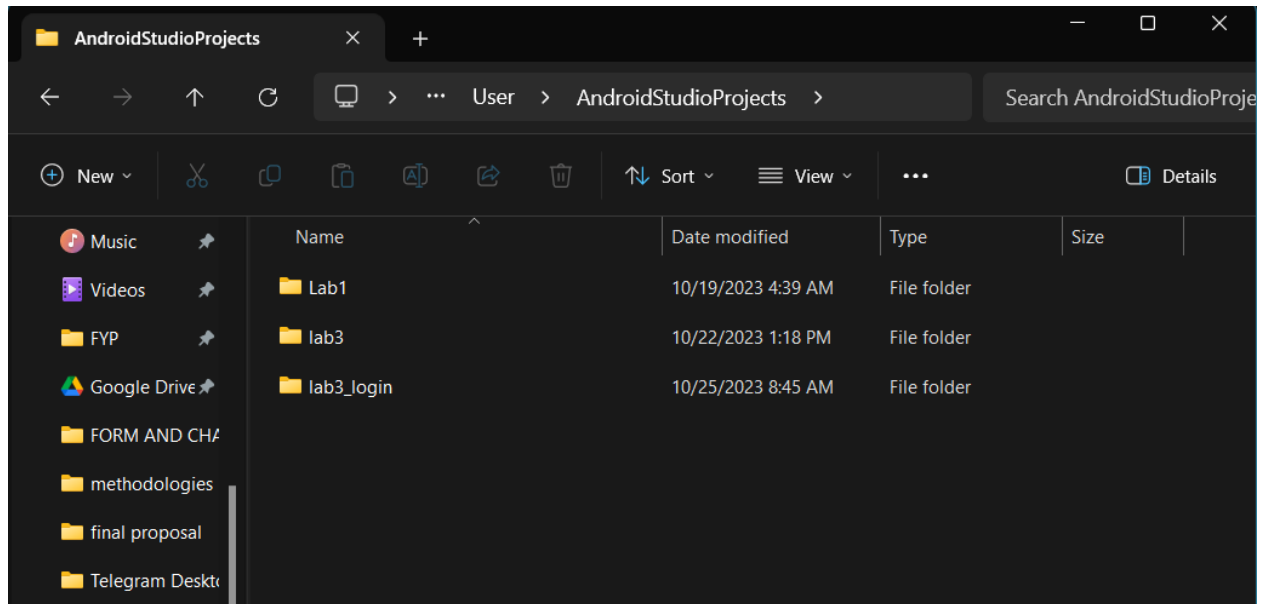
Step 1 - Open your Visual Studio Code



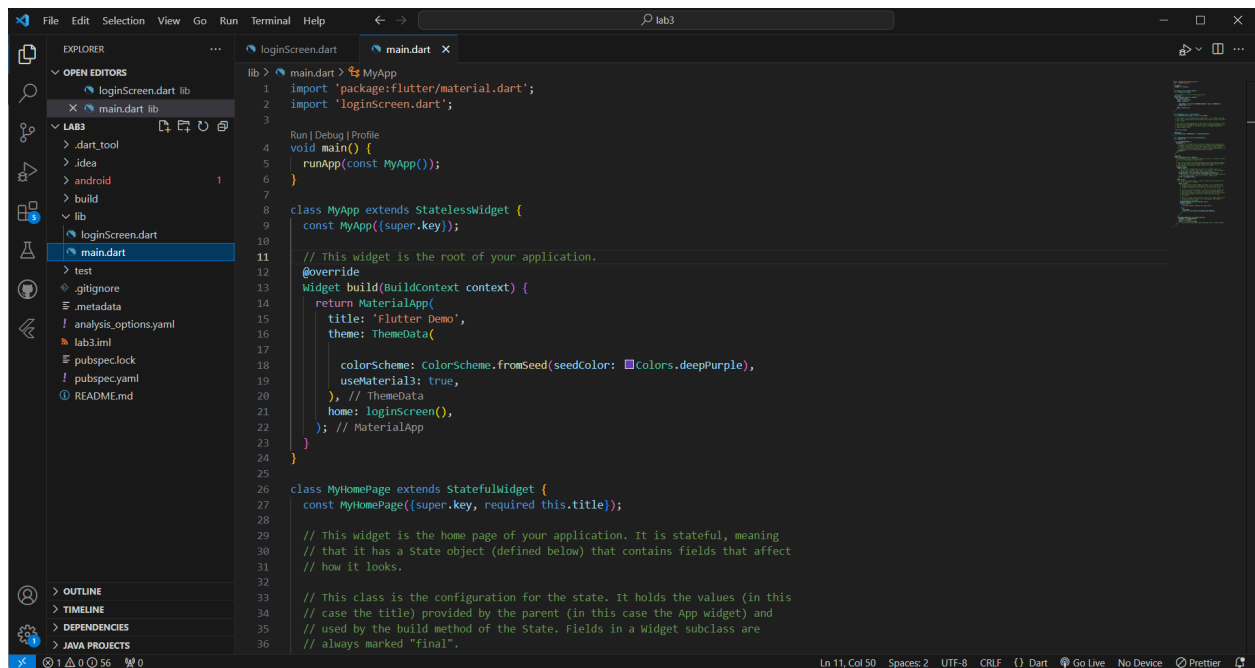
Step 2 - Press Ctrl + Shift + P, then type and click Flutter: New Project.



Step 3 - Select a folder



Step 4 - Create a code for login page



loginScreen.dart

```
import 'package:flutter/material.dart';
import 'package:flutter/services.dart';

class loginScreen extends StatefulWidget{

  @override
  _loginScreenState createState() => _loginScreenState();

}

class _loginScreenState extends State<loginScreen>{

  bool isRememberMe = false;
  String email = '';
  String password = '';

  Widget buildEmail(){
    return Column(
      crossAxisAlignment: CrossAxisAlignment.start,
      children: <Widget>[
        Text(
          'Email',
          style: TextStyle(
            color: Colors.white,
            fontSize: 16,
            fontWeight: FontWeight.bold
          ),
        ),
        SizedBox(height: 10),
        Container(
          alignment: Alignment.centerLeft,
          decoration: BoxDecoration(
            color: Colors.white,
            borderRadius: BorderRadius.circular(10),
            boxShadow: [
              BoxShadow(
```

```

        color: Colors.black26,
        blurRadius: 6,
        offset: Offset(0,2)
      )
    ],
  ),
  height: 60,
  child: TextField(
    keyboardType: TextInputType.emailAddress,
    style: TextStyle(
      color: Colors.black87
    ),
    decoration: InputDecoration(
      border: InputBorder.none,
      contentPadding: EdgeInsets.only(top: 14),
      prefixIcon: Icon(
        Icons.email,
        color: Color(0xff5ac18e),
      ),
      hintText: 'Email',
      hintStyle: TextStyle(
        color: Colors.black38
      )
    ),
  ),
),
],
);
}

```

```

Widget buildPassword(){
  return Column(
    crossAxisAlignment: CrossAxisAlignment.start,
    children: <Widget>[
      Text(
        'Password',
        style: TextStyle(
          color: Colors.white,
          fontSize: 16,
          fontWeight: FontWeight.bold

```

```

    ),
  ),
  SizedBox(height: 10),
  Container(
    alignment: Alignment.centerLeft,
    decoration: BoxDecoration(
      color: Colors.white,
      borderRadius: BorderRadius.circular(10),
      boxShadow: [
        BoxShadow(
          color: Colors.black26,
          blurRadius: 6,
          offset: Offset(0,2)
        )
      ]
    ),
    height: 60,
    child: TextField(
      obscureText: true,
      onChanged: (value){
        password = value;
      },
      style: TextStyle(
        color: Colors.black87
      ),
      decoration: InputDecoration(
        border: InputBorder.none,
        contentPadding: EdgeInsets.only(top: 14),
        prefixIcon: Icon(
          Icons.lock,
          color: Color(0xff5ac18e),
        ),
        hintText: 'Password',
        hintStyle: TextStyle(
          color: Colors.black38
        )
      ),
    ),
  ),
],

```

```

);
}

Widget buildForgotPassBtn() {
  return Container(
    alignment: Alignment.centerRight,
    child: TextButton(
      onPressed: () => print("Forgot Password pressed"),
      child: Text(
        'Forgot Password?',
      ),
      style: TextButton.styleFrom(
        foregroundColor: Colors.white,
        padding: const EdgeInsets.all(16.0),
        textStyle: const TextStyle(fontSize: 20),
      ),
    ),
  );
}

Widget buildRememberCb() {
  return Container(
    height: 20,
    child: Row(
      children: <Widget>[
        Theme(
          data: ThemeData(unselectedWidgetColor: Colors.white),
          child: Checkbox(
            value: isRememberMe,
            checkColor: Colors.green,
            activeColor: Colors.white,
            onChanged: (value) {
              setState(() {
                isRememberMe = value!;
              });
            },
          ),
        ),
        Text(

```

```

        'Remember Me',
        style: TextStyle(
          color: Colors.white,
          fontWeight: FontWeight.bold
        ),
      ),
    ],
  ),
);
}

Widget buildLoginBtn() {
  return Container(
    padding: EdgeInsets.symmetric(vertical: 25),
    width: double.infinity,
    child: ElevatedButton(
      onPressed: () => print('Login Pressed'),
      style: ElevatedButton.styleFrom(
        elevation: 5,
        padding: EdgeInsets.all(15),
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(15),
        ),
        backgroundColor: Color(0xffac18e), // Corrected color property
      ),
      child: Text(
        'LOGIN',
        style: TextStyle(
          color: Colors.white, // Text color
          fontSize: 18,
          fontWeight: FontWeight.bold,
        ),
      ),
    ),
  );
}

@override
Widget build(BuildContext context) {
  return Scaffold(

```

```

body: AnnotatedRegion<SystemUiOverlayStyle>(
  value: SystemUiOverlayStyle.light,
  child: GestureDetector(
    child: Stack(
      children: <Widget>[
        Container(
          height: double.infinity,
          width: double.infinity,
          decoration: BoxDecoration(
            gradient: LinearGradient(
              begin: Alignment.topCenter,
              end: Alignment.bottomCenter,
              colors: [
                Color(0x665ac18e),
                Color(0x995ac18e),
                Color(0xcc5ac18e),
                Color(0xff5ac18e),
              ]
            )
          ),
        child: SingleChildScrollView(
          physics: AlwaysScrollableScrollPhysics(),
          padding: EdgeInsets.symmetric(
            horizontal: 25,
            vertical: 120
          ),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            Text(
              'Login',
              style: TextStyle(
                color: Colors.white,
                fontSize: 40,
                fontWeight: FontWeight.bold
              )
            ),
            SizedBox(height: 50),
            buildEmail(),
            SizedBox(height: 20),
          ]
        ),
      ],
    ),
  ),
)

```



```

        buildPassword(),
        buildForgotPassBtn(),
        buildRememberCb(),
        buildLoginBtn()
      ],
    ),
  ),
],
),
),
))
);
}
}

```

main.dart

```

import 'package:flutter/material.dart';
import 'loginScreen.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(

        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ),
      home: loginScreen(),
    );
  }
}

```

```

    }
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _counter = 0;

  void _incrementCounter() {
    setState(() {
      _counter++;
    });
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Theme.of(context).colorScheme.inversePrimary,
        title: Text(widget.title),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            const Text(
              'You have pushed the button this many times:',
            ),
            Text(
              '$_counter',
              style: Theme.of(context).textTheme.headlineMedium,
            ),
          ],
        ),
      ),
    );
  }
}

```

```

    ),
  ),
  floatingActionButton: FloatingActionButton(
    onPressed: _incrementCounter,
    tooltip: 'Increment',
    child: const Icon(Icons.add),
  ), // This trailing comma makes auto-formatting nicer for build
methods.
);
}
}

```

Step 5 - Run the code

