Exp-5

Main.dart

```dart
import 'package:flutter/material.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(
      primarySwatch: Colors.purple,
      ),
      home: const MyHomePage(title: 'Login Page'),
      );
  }
}

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

  final String title;

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

class _MyHomePageState extends State<MyHomePage> {
  String name = " ";
  String pass = " ";
  bool changebutton = false;
  final _formkey = GlobalKey<FormState>();

  animate(BuildContext context) async {
      if (_formkey.currentState!.validate()) {
      setState(() {
      changebutton = true;
      });
      await Future.delayed(Duration(seconds: 1));
      setState(() {
      changebutton = false;
      });
      }
  }

  @override
```

```dart
Widget build(BuildContext context) {
    return Scaffold(
    theme: ThemeData( primarySwatch: Colors.deepOrange, ),
    appBar: AppBar(
    title: Text(widget.title),
    ),
    body: SingleChildScrollView(
    child: Form(
        key: _formkey,
        child: Column(
        // ignore: prefer_const_literals_to_create_immutables
        children: [
            Image.asset(
            "assets/img/profile (1).png",
            height: 200,
            width: 275,
            ),
            SizedBox(height: 20),
            Text(
            "Welcome $name",
            style: TextStyle(
                fontSize: 20,
                color: Colors.black,
                fontWeight: FontWeight.normal),
            ),
            SizedBox(height: 20),
            Padding(
            padding: const EdgeInsets.all(16.0),
            child: Column(
              children: [
                TextFormField(
                decoration: InputDecoration(
                    hintText: "Enter UserName",
                    labelText: "UserName "),
                validator: (value) {
                if (value!.isEmpty) {
                    return "Username cannot be empty";
                }
                return null;
                },
                onChanged: (value) {
                    name = value;
                setState(() {});
                },
                ),
                TextFormField(
                obscureText: true,
                decoration: InputDecoration(
                    hintText: "Enter Password",
                    labelText: "Password "),
                validator: (value) {
                if (value!.isEmpty) {
                        return "Password cannot be empty";
                } else if (value.length < 8) {
                        return " Password length should be atleast 8";
                }
```

```dart
                                    return null;
                                },
                                  onChanged: (value) {
                                pass = value;
                                setState(() {});
                                },
                                ),
                                SizedBox(
                                height: 20,
                            ),
                                InkWell(
                                onTap: () => {animate(context), print(name),
print(pass)},

                                child: AnimatedContainer(
                                    duration: Duration(seconds: 1),
                                  width: changebutton ? 50 : 150,
                                    height: 50,
                                    alignment: Alignment.center,
                                    child: changebutton
                                    ? Icon(Icons.done, color: Colors.white)
                                    : Text(
                                    "Login",
                                    style: TextStyle(
                                        color: Colors.white,
                                        fontWeight: FontWeight.bold),
                                  ),
                                    decoration: BoxDecoration(
                                    color: Colors.purple,
                                    borderRadius: BorderRadius.circular(
                                        changebutton ? 50 : 8),
                                    )),
                                )
                    ],
                    ),
                    )
            ]),
        ),
        ),
        );
    }
}
```