Exp 5

```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.deepOrange,
      ),
      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
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text(widget.title),
      ),
      body: SingleChildScrollView(
        child: Form(
          key: _formkey,
          child: Column(
```

```dart
            // ignore: prefer_const_literals_to_create_immutables
          children: [
            Image.network(

"https://www.simplilearn.com/ice9/free_resources_article_thumb/what_is_imag
e_Processing.jpg",
                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";
                      }
                      return null;
                    },
                    onChanged: (value) {
                      pass = value;
                      setState(() {});
                    },
                  ),
                  SizedBox(
                    height: 20,
                  ),
                  InkWell(
                    onTap: () => {animate(context), print(name),
print(pass)},
```

```dart
                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.deepOrange,
                      borderRadius: BorderRadius.circular(
                          changebutton ? 50 : 8),
                    )),
              )
            ],
          ),
        )
      ]),
    ),
    ),
  );
}
}
```