PRACTICAL 11

AIM: Develop a login signup application using flutter.

CODE:

import 'package:flutter/material.dart';

void main() {

runApp(MyApp());

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

title: 'Login Signup Demo',

theme: ThemeData(

primarySwatch: Colors.blue,

),

home: LoginSignupScreen(),

);

}

}

class LoginSignupScreen extends StatefulWidget {

@override

\_LoginSignupScreenState createState() => \_LoginSignupScreenState();

}

class \_LoginSignupScreenState extends State<LoginSignupScreen> {

bool isLogin = true;

final \_usernameController = TextEditingController();

final \_passwordController = TextEditingController();

String registeredUsername = "user";

String registeredPassword = "password";

void toggleForm() {

setState(() {

isLogin = !isLogin;

});

}

void login() {

if (\_usernameController.text == registeredUsername && \_passwordController.text

== registeredPassword) {

showDialog(

context: context,

builder: (context) => AlertDialog(

title: Text("Login Successful"),

content: Text("Welcome back, ${\_usernameController.text}!"),

actions: [

TextButton(onPressed: () => Navigator.pop(context), child: Text("OK"))

],

),

);

} else {

showDialog(

context: context,

builder: (context) => AlertDialog(

title: Text("Login Failed"),

content: Text("Invalid username or password."),

actions: [

TextButton(onPressed: () => Navigator.pop(context), child: Text("OK"))

],

),

);

}

}

void signup() {

setState(() {

registeredUsername = \_usernameController.text;

registeredPassword = \_passwordController.text;

});

showDialog(

context: context,

builder: (context) => AlertDialog(

title: Text("Signup Successful"),

content: Text("Account created for ${\_usernameController.text}!"),

actions: [

TextButton(onPressed: () => Navigator.pop(context), child: Text("OK"))

],

),

);

toggleForm();

}

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(

title: Text(isLogin ? 'Login' : 'Signup'),

),

body: Padding(

padding: const EdgeInsets.all(16.0),

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

children: [

TextField(

controller: \_usernameController,

decoration: InputDecoration(labelText: "Username"),

),

TextField(

controller: \_passwordController,

decoration: InputDecoration(labelText: "Password"),

obscureText: true,

),

SizedBox(height: 20),

ElevatedButton(

onPressed: isLogin ? login : signup,

child: Text(isLogin ? "Login" : "Signup"),

),

TextButton(

onPressed: toggleForm,

child: Text(isLogin ? "Don't have an account? Sign up" : "Already

have an account? Log in"),

)

],

),

),

);

}

}

OUTPUT:

  