



Experiment 05

AIM:- Create and application with Flutter UI Components.

Source :- Mai.dart

Code :-

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

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

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: const FancyLoginScreen(),
    );
  }
}

class FancyLoginScreen extends StatefulWidget {
  const FancyLoginScreen({super.key});

  @override
  State<FancyLoginScreen> createState() => _FancyLoginScreenState();
}

class _FancyLoginScreenState extends State<FancyLoginScreen> {
  final TextEditingController emailController = TextEditingController();
  final TextEditingController passwordController = TextEditingController();
  bool showPassword = false;

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Stack(
```



```
children: [
  // Gradient Background
  Container(
    decoration: const BoxDecoration(
      gradient: LinearGradient(
        colors: [Colors.deepPurple, Colors.pinkAccent],
        begin: Alignment.topLeft,
        end: Alignment.bottomRight,
      ),
    ),
  ),
  // Login Form
  Center(
    child: Padding(
      padding: const EdgeInsets.all(24.0),
      child: Container(
        padding: const EdgeInsets.all(24.0),
        decoration: BoxDecoration(
          color: Colors.white.withOpacity(0.9),
          borderRadius: BorderRadius.circular(25),
          boxShadow: [
            BoxShadow(
              color: Colors.black26,
              blurRadius: 15,
              spreadRadius: 2,
            ),
          ],
        ),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.min,
          children: [
            const Text(
              "Welcome!",
              style: TextStyle(
                fontSize: 28,
                fontWeight: FontWeight.bold,
                color: Colors.deepPurple,
              ),
            ),
            const SizedBox(height: 10),
            const Text(
              "Login to continue",
              style: TextStyle(fontSize: 16, color: Colors.black54),
            ),
            const SizedBox(height: 20),
            // Email Field
```



```
TextField(
  controller: emailController,
  decoration: InputDecoration(
    labelText: "Email Address",
    prefixIcon: const Icon(Icons.email, color: Colors.deepPurple),
    border: OutlineInputBorder(
      borderRadius: BorderRadius.circular(15),
    ),
  ),
  keyboardType: TextInputType.emailAddress,
),
const SizedBox(height: 15),

// Password Field with Show/Hide Toggle
TextField(
  controller: passwordController,
  obscureText: !showPassword,
  decoration: InputDecoration(
    labelText: "Password",
    prefixIcon: const Icon(Icons.lock, color: Colors.deepPurple),
    suffixIcon: IconButton(
      icon: Icon(
        showPassword ? Icons.visibility : Icons.visibility_off,
        color: Colors.grey,
      ),
      onPressed: () {
        setState(() {
          showPassword = !showPassword;
        });
      },
    ),
    border: OutlineInputBorder(
      borderRadius: BorderRadius.circular(15),
    ),
  ),
),
const SizedBox(height: 10),

// Forgot Password Link
Align(
  alignment: Alignment.centerRight,
  child: TextButton(
    onPressed: () {},
    child: const Text(
      "Forgot Password?",
      style: TextStyle(color: Colors.pinkAccent),
    ),
  ),
),
```




```
],  
,  
);  
}  
}
```

Output:-

