



Experiment – 6

Aim: Create an application with Flutter UI Components.

Code:

```
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(
      debugShowCheckedModeBanner: false,
      home: DefaultTabController(
        length: 2,
        child: Scaffold(
          appBar: AppBar(
            title: Text("Practical_6 Login"),
            centerTitle: true,
            bottom: TabBar(
              tabs: [
                Tab(text: 'Login'),
              ],
            ),
          ),
          body: TabBarView(
            children: [
              LoginCard(),
            ],
          ),
        ),
      );
  }
}
```



```
class LoginCard extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Center(
      child: Card(
        margin: EdgeInsets.all(20.0),
        child: Padding(
          padding: EdgeInsets.all(16.0),
          child: Column(
            mainAxisAlignment: MainAxisAlignment.min,
            children: <Widget>[
              TextField(
                decoration: InputDecoration(labelText: 'Email'),
              ),
              SizedBox(height: 10),
              TextField(
                decoration: InputDecoration(labelText: 'Password'),
                obscureText: true,
              ),
              SizedBox(height: 20),
              ElevatedButton(
                onPressed: () {
                  // Handle login logic here
                },
                style: ElevatedButton.styleFrom(
                  shape: RoundedRectangleBorder(
                    borderRadius: BorderRadius.circular(12), // Rounded corners
                  ),
                  side: BorderSide(color: Colors.blue), // Blue border
                ),
                child: Text('Login'),
              ),
            ],
          ),
        ),
      ),
    );
  }
}
```



• **Output:**

10:40

Practical_6 Login

Login

Email

Password

Login

JK