
PRAKTIKUM_8

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Contents

1	Latihan_SQLite	2
1.1	lib/models/contact.dart	2
1.2	lib/main.dart	2
1.3	OUTPUT	5

1 Latihan_SQLite

1.1 lib/models/contact.dart

```
1 class Contact {
2   int id = 0;
3   String name = "";
4   String phone = "";
5
6   Contact({
7     required this.id,
8     required this.name,
9     required this.phone,
10  });
11
12  Contact.fromMap(Map<String, dynamic> contact) {
13    id = contact['id'];
14    name = contact['name'];
15    phone = contact['phone'];
16  }
17
18  Map<String, dynamic> toMap() {
19    Map<String, dynamic> map = <String, dynamic>{};
20    map['id'] = id;
21    map['name'] = name;
22    map['phone'] = phone;
23    return map;
24  }
25 }
```

1.2 lib/main.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:flutter_driver/driver_extension.dart';
3 import 'package:shared_preferences/shared_preferences.dart';
4
5 void main(){
6   enableFlutterDriverExtension();
7   runApp(const MyApp());
8 }
9
10 class MyApp extends StatelessWidget {
11   const MyApp({super.key});
12   @override
13   Widget build(BuildContext context) {
14     return MaterialApp(
15       title: 'Shared Preferences',
16       theme: ThemeData(
```

```
17         primarySwatch: Colors.blue,
18     ),
19     home: const MyHomePage(),
20 );
21 }
22 }
23
24 class MyHomePage extends StatefulWidget {
25     const MyHomePage({super.key});
26     @override
27     State<MyHomePage> createState() => _MyHomePageState();
28 }
29
30 class _MyHomePageState extends State<MyHomePage> {
31     String? email = "";
32     String? password = "";
33     TextEditingController emailController = TextEditingController();
34     TextEditingController passwordController = TextEditingController();
35     @override
36     Widget build(BuildContext context) {
37         return Scaffold(
38             appBar: AppBar(title: const Text('Flutter Shared Preferences')),
39             body: ListView(
40                 padding: const EdgeInsets.all(8.0),
41                 children: [
42                     // input email
43                     TextField(
44                         key: const ValueKey('tf_email'),
45                         controller: emailController,
46                         decoration: InputDecoration(
47                             labelText: "Email",
48                             border: OutlineInputBorder(
49                                 borderRadius: BorderRadius.circular(5.0))),
50                     const Padding(padding: EdgeInsets.only(top: 4)),
51                     // input password
52                     TextField(
53                         key: const ValueKey('tf_password'),
54                         controller: passwordController,
55                         decoration: InputDecoration(
56                             labelText: "Password",
57                             border: OutlineInputBorder(
58                                 borderRadius: BorderRadius.circular(5.0))),
59                     // button untuk menyimpan email dan password ke dalam Shared
                    // Preferences melalui method
                    // setIntoSharedPreferences()
60                     ElevatedButton(
61                         key: const ValueKey('btn_set'),
62                         child: const Text("Set"),
63                         onPressed: () {
64                             setIntoSharedPreferences();
65                         },
66                 ],
```

```
67     ),
68     const Padding(padding: EdgeInsets.only(top: 8)),
69     // Menampilkan Email pada Text Widget
70     Text(
71       "Your Email : $email",
72       style: const TextStyle(fontSize: 20),
73       key: const ValueKey('txt_email'),
74     ),
75     // Menampilkan password pada Text Widget
76     Text(
77       "Your Password : $password",
78       style: const TextStyle(fontSize: 20),
79       key: const ValueKey('txt_password'),
80     ),
81     // Button yang berfungsi memanggil method getFromSharedPreferences()
    untuk menampilkan
82     // Email dan Password pada Text Widget
83     ElevatedButton(
84       key: const ValueKey('btn_get'),
85       child: const Text("Get"),
86       onPressed: () {
87         getFromSharedPreferences();
88       },
89     ),
90   ],
91 ),
92 );
93 }
94
95 // method ini berfungsi untuk memasukkan data ke dalam
    SharedPreferences
96 void setIntoSharedPreferences() async {
97   SharedPreferences prefs = await SharedPreferences.getInstance();
98   await prefs.setString("email", emailController.text);
99   await prefs.setString("password", passwordController.text);
100 }
101
102 // Method ini berfungsi untuk mengambil data Email dan Password dari
    SharedPreferences
103 // kemudian dimasukkan ke variable email dan password
104 void getFromSharedPreferences() async {
105   SharedPreferences prefs = await SharedPreferences.getInstance();
106   setState(() {
107     email = prefs.getString("email");
108     password = prefs.getString("password");
109   });
110 }
111 }
```

1.3 OUTPUT

The image displays three sequential screenshots of a mobile application interface titled "Flutter Shared Preferences". Each screenshot has a red "DEBUG" banner in the top right corner. The interface consists of two input fields: "Email" and "Password", followed by a "Set" button. Below these is a section with labels "Your Email :" and "Your Password :", followed by a "Get" button. The first screenshot shows the initial state with empty input fields. The second screenshot shows the "Set" button pressed, with the email field containing "rizal.fadlullah@gmail.com" and the password field containing "1234567". The third screenshot shows the "Get" button pressed, with the "Your Email :" field displaying "rizal.fadlullah@gmail.com" and the "Your Password :" field displaying "1234567".

Flutter Shared Preferences

Email

Password

Set

Your Email :

Your Password :

Get

Flutter Shared Preferences

Email

rizal.fadlullah@gmail.com

Password

1234567

Set

Your Email :

Your Password :

Get

Flutter Shared Preferences

Email

rizal.fadlullah@gmail.com

Password

1234567

Set

Your Email : rizal.fadlullah@gmail.com

Your Password : 1234567

Get