EXPERIMENT NO:-6

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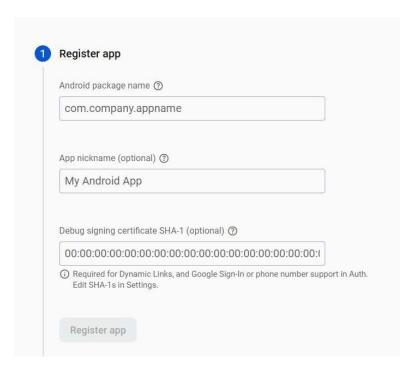
Aim:- To Connect flutter UI with firebase database

Creating a New Firebase Project



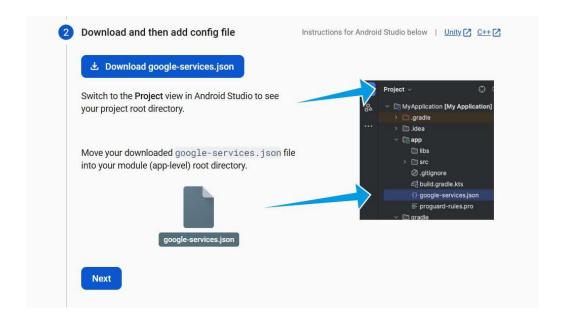
First, log in with your Google account to manage your Firebase projects. From within the Firebase dashboard, select the Create new project button and give it a name

In order to add Android support to our Flutter application, select the Android logo from the dashboard. This brings us to the following screen:

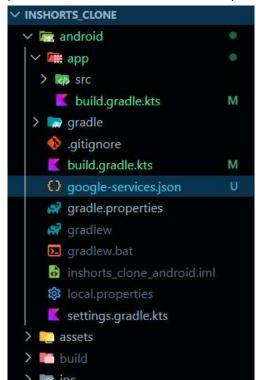


The most important thing here is to match up the Android package name that you choose here with the one inside of our application.

Then download the google-services.json file, that you will get.



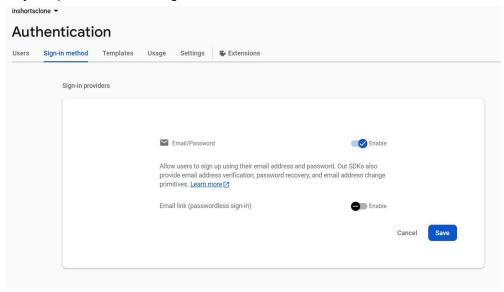
put that file in the android folder (root level)



then select the build.gradle.kts (Kotlin DSL) part, and then follow the rest instructions



In your part select the sign-in method and enable it.



Code:-

LOGIN:	
import 'package:flutter/material.dart';	kBar(
import	SnackBar(content: Text("Login Successful!"),
'package:firebase_auth/firebase_auth.dart '·	backgroundColor: Colors. <i>green</i> ,
import 'package:get/get.dart';) ,
import 'signup.dart';); Get.offAllNamed('/home'); // Navigate
import 'forgot.dart';	to home page
class Login extends StatefulWidget {	} catch (e) {
const Login({super.key});	ScaffoldMessenger.of(context).showSnac
@override	kBar(
State <login> createState() =></login>	SnackBar(
_LoginState();	content: Text("Error:
}	\${e.toString()}"), backgroundColor: Colors. <i>red</i> ,
class LoginState extends State <login> {</login>),
TextEditingController email =);
TextEditingController();	}
TextEditingController password = TextEditingController();	,
roxicaling controller(),	@override
signIn() async {	Widget build(BuildContext context) { return Scaffold(
if (email.text.isEmpty password.text.isEmpty) {	backgroundColor: Colors. <i>grey</i> [200],
password.toxt.isEmpty) (body: Center(
ScaffoldMessenger.of(context).showSnac	child: Padding(padding: const EdgeInsets.all(20.0),
kBar(SnackBar(child: Card(
content: Text("Please fill in all	elevation: 5,
fields"),	shape: RoundedRectangleBorder(borderRadius:
backgroundColor: Colors. <i>redAccent</i> ,	BorderRadius.circular(20),
),),
);	child: Padding(padding: const
return;	EdgeInsets.all(25.0),
}	child: Column(
try {	mainAxisSize: MainAxisSize.min,
await	crossAxisAlignment:
FirebaseAuth. <i>instance</i> .signInWithEmailAn dPassword(CrossAxisAlignment.center,
email: email.text,	children: [
password: password.text,	Text("Welcome Back!",
);	style: TextStyle(
ScaffoldMessenger.of(context).showSnac	fontSize: 24,

```
fontWeight:
                                                                foregroundColor:
FontWeight.bold,
                                                  Colors.white,
              color: Colors.blueAccent,
                                                                shape:
                                                 RoundedRectangleBorder(
                                                                 borderRadius:
           SizedBox(height: 10),
                                                 BorderRadius.circular(10),
           Text(
            "Sign in to continue",
                                                               padding:
                                                 EdgeInsets.symmetric(vertical: 12,
            style: TextStyle(fontSize: 16,
color: Colors.grey[700]),
                                                 horizontal: 40),
           SizedBox(height: 20),
                                                              child: Text(
           TextField(
                                                                "Login",
            controller: email,
                                                                style: TextStyle(fontSize:
            decoration: InputDecoration(
                                                  18),
              labelText: "Email",
              prefixIcon: Icon(Icons.email,
color: Colors.blueAccent),
                                                             SizedBox(height: 15),
              border: OutlineInputBorder(
                                                             TextButton(
               borderRadius:
                                                              onPressed: () => Get.to(() =>
BorderRadius.circular(10),
                                                 Forgot()),
                                                              child: Text(
              ),
                                                                "Forgot Password?",
            keyboardType:
                                                                style: TextStyle(color:
TextInputType.emailAddress,
                                                  Colors.blueAccent),
                                                              ),
           SizedBox(height: 15),
           TextField(
                                                             Divider(thickness: 1, height:
            controller: password,
                                                  30),
            decoration: InputDecoration(
                                                             TextButton(
              labelText: "Password",
                                                              onPressed: () => Get.to(() =>
              prefixIcon: Icon(Icons.lock,
                                                 Signup()),
color: Colors.blueAccent),
                                                              child: Text(
              border: OutlineInputBorder(
                                                                "Don't have an account?
               borderRadius:
                                                  Sign Up now",
BorderRadius.circular(10),
                                                                style: TextStyle(color:
                                                  Colors.blueAccent),
            obscureText: true,
           SizedBox(height: 20),
           ElevatedButton(
            onPressed: signIn,
            style:
ElevatedButton.styleFrom(
              backgroundColor:
Colors.blueAccent,
```

}

SIGN UP: "Success". import '/wrapper.dart'; "Account created successfully!", import snackPosition: 'package:firebase auth/firebase auth.dart SnackPosition.BOTTOM, backgroundColor: Colors.green, import 'package:flutter/material.dart'; colorText: Colors.white, import 'package:get/get.dart';); } catch (e) { class Signup extends StatefulWidget { Get.snackbar(const Signup({super.key}); "Signup Failed", e.toString(), @override snackPosition: State<Signup> createState() => SnackPosition.BOTTOM, SignupState(); backgroundColor: Colors.red, colorText: Colors.white,); class SignupState extends } State<Signup> { } TextEditingController email = TextEditingController(); @override TextEditingController password = Widget build(BuildContext context) { TextEditingController(); return Scaffold(backgroundColor: Colors.grey[200], signup() async { body: Center(if (email.text.isEmpty || child: Padding(password.text.isEmpty) { padding: const EdgeInsets.all(20.0), Get.snackbar(child: Card("Error", elevation: 5, "Please fill in all fields", shape: RoundedRectangleBorder(snackPosition: borderRadius: SnackPosition.BOTTOM, BorderRadius.circular(20), backgroundColor: Colors.redAccent,), colorText: Colors.white, child: Padding(); padding: const return; EdgeInsets.all(25.0), child: Column(mainAxisSize: try { MainAxisSize.min, await crossAxisAlignment: FirebaseAuth.instance.createUserWithEm CrossAxisAlignment.center, ailAndPassword(children: [email: email.text.trim(), Text(password: password.text.trim(), "Create Account", style: TextStyle(Get.offAll(Wrapper()); // Navigate to fontSize: 24, Wrapper after successful signup fontWeight: Get.snackbar(

FontWeight. bold,	onPressed: signup,
color: Colors.blueAccent,	style:
),	ElevatedButton. <i>styleFrom</i> (
),	backgroundColor:
SizedBox(height: 10),	Colors.blueAccent,
Text(foregroundColor:
"Sign up to get started",	Colors.white,
style: TextStyle(fontSize: 16,	shape:
color: Colors. <i>grey</i> [700]),	RoundedRectangleBorder(
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	borderRadius:
SizedBox(height: 20),	BorderRadius.circular(10),
TextField(border (10),
· ·), podding:
controller: email,	padding:
decoration: InputDecoration(EdgeInsets.symmetric(vertical: 12,
labelText: "Email",	horizontal: 40),
prefixIcon: Icon(Icons.email,),
color: Colors.blueAccent),	child: Text(
border: OutlineInputBorder("Sign Up",
borderRadius:	style: TextStyle(fontSize:
BorderRadius.circular(10),	18),
),),
),),
keyboardType:	SizedBox(height: 15),
TextInputType.emailAddress,	TextButton(
),	onPressed: () => Get.back(),
SizedBox(height: 15),	child: Text(
TextField("Already have an account?
controller: password,	Login",
decoration: InputDecoration(style: TextStyle(color:
labelText: "Password",	Colors.blueAccent),
prefixIcon: Icon(Icons. lock,).
color: Colors.blueAccent),).
border: OutlineInputBorder(1.
borderRadius:),
BorderRadius.circular(10),),
)),
) ['] ,),
obscureText: true,	<i>'</i> ,
)),)·
SizedBox(height: 20),	\', \'
ElevatedButton()
LievaleuDullOH	ſ

OUTPUT:

```
[3]: Edge (edge)

Please choose one (or "q" to quit): 2

Launching lib\main.dart on Chrome in debug mode...

Waiting for connection from debug service on Chrome... 20.9s

This app is linked to the debug service: ws://127.0.0.1:56889/EEaa4qKHJVU=/ws

Debug service listening on ws://127.0.0.1:56889/EEaa4qKHJVU=/ws

To hot restart changes while running, press "r" or "R".

For a more detailed help message, press "h". To quit, press "q".

A Dart VM Service on Chrome is available at: http://127.0.0.1:56889/EEaa4qKHJVU=

The Flutter DevTools debugger and profiler on Chrome is available at: http://127.0.0.1:9101?uri=http://127.0.0.1:56889/EEaa4qKHJVU=

Firebase initialized successfully!
```

