Experiment No:8

Aim: To connect flutter UI with firebase database.

Theory:

Create a Firebase project

After setting up & creating a simple Flutter app, navigate to Firebase Official website

- 1. Click on **Get started.**
- 2. Create a new project by tapping on the **Add project** box.
- Enter the Project name & select Analytics location.
 Analytics location represents the country/region of your organization and sets the currency for revenue reporting.
- 4. Tap on **Create project**. Following this, Firebase will set up a new project for you. This will take just a minute.
- 5. After the project is created successfully, Firebase will show a prompt saying **Your new project is ready.** Click on **Continue** to complete the flow.

Configure an Android app

- 1. In the **Add an app to get started** section, click on **Android** Icon to add an Android app to Firebase.
- 2. On the next screen, enter your Android package name & App nickname and click on Register App. Your package name is generally the applicationId in your app-level build.gradle file. If specified, the app nickname will be used throughout the Firebase console to represent this app. Nicknames aren't visible to users.
- 3. Download the **google-services.json** file & place it in your project's **app** root directory. Make sure the config file is not appended with additional characters, like **(2)**.
- 4. The Google services plugin for <u>Gradle</u> loads the **google-services.json** file you just downloaded. Modify your **build.gradle** files to use the plugin.
- 5. Back in the Firebase console-setup workflow, click **Next** to skip the remaining steps.

6. Run flutter packages get.

Code:

Main.dart

Welcome_screen.dart

login_screen.dart

```
const kTextFieldDecoration = InputDecoration(
   contentPadding: EdgeInsets.symmetric(vertical: 10.0, horizontal: 20.0),
   focusedBorder: OutlineInputBorder(
 LoginScreenState createState() => LoginScreenState();
late String email;
 late String password;
Widget build(BuildContext context) {
   return Scaffold(
     body: ModalProgressHUD(
         padding: EdgeInsets.symmetric(horizontal: 24.0),
```

```
mainAxisAlignment: MainAxisAlignment.center,
                decoration: kTextFieldDecoration.copyWith(
            SizedBox(
            TextField(
            ElevatedButton(
                     Navigator.pushNamed(context, 'home screen');
1,
```

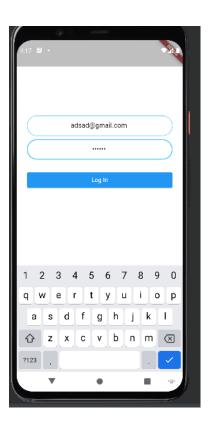
signup_screen.dart

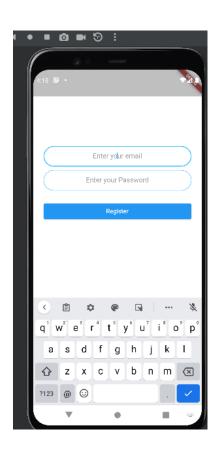
```
import 'package:flutter/material.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:modal_progress_hud/modal_progress_hud.dart';
```

```
const kTextFieldDecoration = InputDecoration(
 contentPadding: EdgeInsets.symmetric(vertical: 10.0, horizontal: 20.0),
 border: OutlineInputBorder(
   borderRadius: BorderRadius.all(Radius.circular(32.0)),
 enabledBorder: OutlineInputBorder(
  borderRadius: BorderRadius.all(Radius.circular(32.0)),
 RegistrationScreenState createState() => RegistrationScreenState();
   return Scaffold(
     body: ModalProgressHUD(
         padding: EdgeInsets.symmetric(horizontal: 24.0),
         child: Column(
             TextField(
                 textAlign: TextAlign.center,
                 decoration: kTextFieldDecoration.copyWith(
             SizedBox (
             TextField(
             SizedBox(
```

home_screen.dart







Conclusion : Hence we have successfully connected flutter UI with firebase database