

Flutter + Firebase

17.11.2025

-ghifari

Setting/Daftar Firebase

Jaga-jaga aja



firebase

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Firebase

<https://firebase.google.com> :

Firebase | Google's Mobile and Web App Development Platform

Prototype, build & run modern, AI-powered experiences users love with **Firebase**, a platform designed to support you throughout your app development lifecycle.

Firebase Console

Not your computer? Use Guest mode to sign in privately. [Learn ...](#)



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No-cost Products · Network egress. No-cost up to 10 GiB/month ...



Firebase Realtime Database

The Firebase Realtime Database lets you build rich, collaborative ...



Firebase console (google.com)

Sign in. Use your Google Account. Email or phone. [Forgot email ...](#)



Firebase Authentication

To sign a user into your app, you first get authentication ...



Introducing Firebase Studio



Prototype, build, and deploy full-stack, AI apps with our agentic development environment. Now with AI-optimized templates, seamless integration with Firebase services, and ability to fork workspaces, all designed to make AI-assisted development more powerful.

[Get Started](#)

Make your app the best it can be with Firebase and generative





Welcome to **Firebase Studio**, a complete web-based development workspace from Google, designed to make it faster and easier to build, ship, and manage full-stack, multiplatform apps from the comfort of your browser.

I accept the terms and conditions for Firebase Services listed on the [Terms of Service](#) page and the [Android SDK Terms and Conditions](#)

I want to receive email updates about Firebase Studio news and features.

I'm interested in participating in research studies to improve Firebase Studio

Confirm

1

2



Hello, Muhammad

Welcome to Firebase!

Get started



Get started by setting up a
Firebase project

Integrate Firebase products to super-charge your
app

Try out a sample app



Build an AI-powered Flutter app

Deploy a sample app that showcases how the Gemini Live API, multimodal prompts, and image creation with Nano Banana all work in Flutter



Try an agentic barista app

Deploy a sample app that uses Firestore, Authentication, and function calling in Firebase AI Logic. Explore the code in Firebase Studio



Explore our view-only demo project

[View](#)

Language — English (United States) ▾

[Support](#) — [Terms](#) — [Privacy Policy](#)

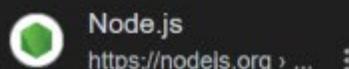


Set Up Firebase

1. Download Node.js

Google

nodejs

[All](#) [Images](#) [News](#) [Videos](#) [Shopping](#) [Short videos](#) [More](#) [Tools](#)

Node.js

<https://nodejs.org> > ...

Node.js

Node.js® is a free, open-source, cross-platform JavaScript runtime environment that lets developers create servers, web apps, command line tools and scripts.

Download

Download and install nvm: curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | sh



Releases

Node.js Releases ... Major Node.js versions enter Current release ...



Introduction to Node.js

A Node.js app runs in a single process, without creating a new ...



About

As an asynchronous event-driven JavaScript runtime, Node.js is ...



Node.js v24.11.1 (LTS)

Node.js® is a free, open-source, cross-platform JavaScript ...



[Learn](#)[Download](#)[Blog](#)[Docs](#)[Contribute](#)[Certification](#) Start typing...

⌘ K



Run JavaScript Everywhere

Node.js® is a free, open-source, cross-platform JavaScript runtime environment that lets developers create servers, web apps, command line tools and scripts.

[Get Node.js®](#)[Get security support](#)

for EOL Node.js versions



Node.js is proudly supported by the partners above [and more](#).

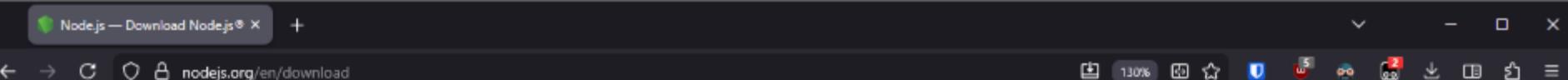
[v24.11.1 Latest LTS](#)[v25.2.0 Latest Release](#)[Trademark Policy](#)[Create an HTTP Server](#) [Write Tests](#) [Read and Hash a File](#)

```
1 // server.mjs
2 import { createServer } from 'node:http';
3
4 const server = createServer((req, res) => {
5   res.writeHead(200, { 'Content-Type': 'text/plain' });
6   res.end('Hello World!\n');
7 });
8
9 // starts a simple http server locally on port 3000
10 server.listen(3000, '127.0.0.1', () => {
11   console.log('Listening on 127.0.0.1:3000');
12 });
13
14 // run with 'node server.mjs'
```

JavaScript

[Copy to clipboard](#)

Learn more what Node.js is able to offer with our [Learning materials](#).



Download Node.js®

Get Node.js® v24.11.1 (LTS) for Windows using Docker with npm

Info Want new features sooner? Get the [latest Node.js version](#) instead and try the latest improvements!

```
1 # Docker has specific installation instructions for each operating system.
2 # Please refer to the official documentation at https://docker.com/get-started/
3
4 # Pull the Node.js Docker image:
5 docker pull node:24-alpine
6
7 # Create a Node.js container and start a Shell session:
8 docker run -it node:24-alpine /bin/sh
9
10 # Verify the Node.js version:
11 node -v # Should print "v24.11.1".
12
13 # Verify npm version:
14 npm -v # Should print "11.6.2".
```

PowerShell

Copy to clipboard

Docker is a containerization platform. If you encounter any issues please visit [Docker's website](#) ↗

Or get a prebuilt Node.js® for Windows running a x64 architecture.

Windows Installer (.msi)

Standalone Binary (.zip)

Read the [changelog](#) ↗ or blog post for this version.

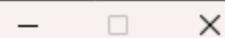
Learn more about Node.js releases, including the release schedule and LTS status.



Welcome to the Node.js Setup Wizard



The Setup Wizard allows you to change the way Node.js features are installed on your computer or to remove it from your computer. Click Next to continue or Cancel to exit the Setup Wizard.

[Back](#)[Next](#)[Cancel](#)

Completed the Node.js Setup Wizard

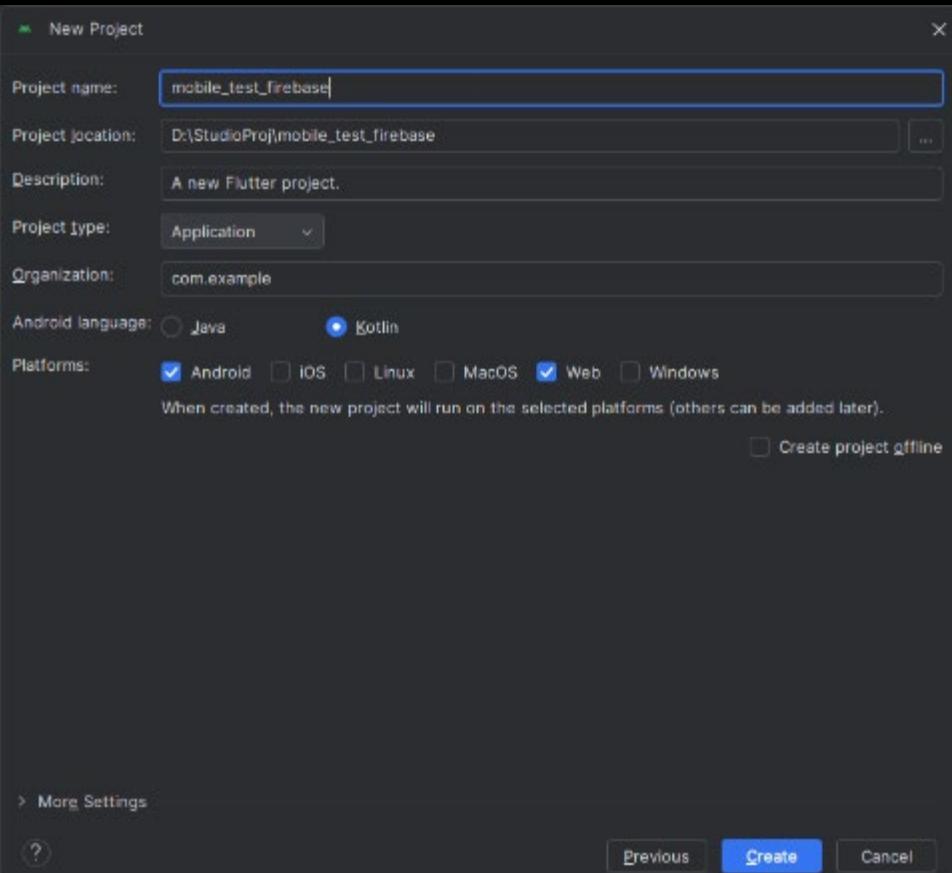
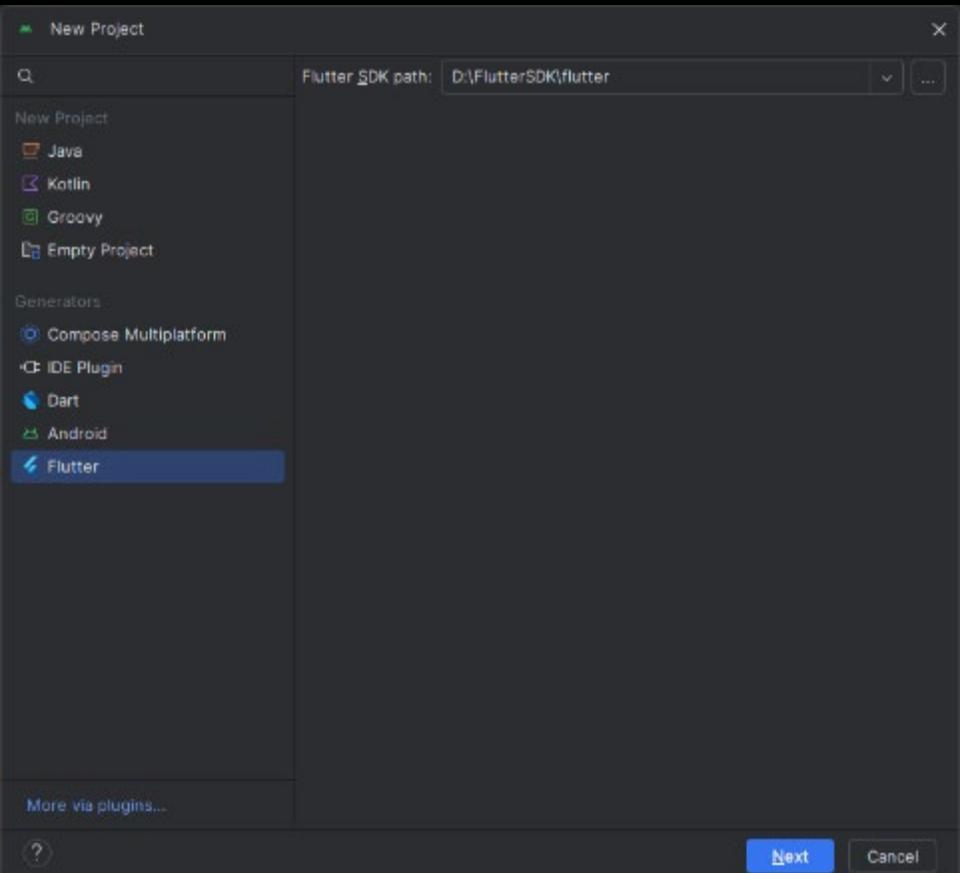


Click the Finish button to exit the Setup Wizard.

[Back](#)[Finish](#)[Cancel](#)

Set Up Firebase

2. Buat Flutter Baru



The screenshot shows the Android Studio interface with the following details:

- Project Bar:** Shows the project name "mobile_test_firebase" and "Version control".
- Toolbars:** Standard Android Studio toolbars for Select Device, main.dart, and other development tools.
- Left Sidebar:** Project structure view showing the directory tree:
 - Project
 - android [mobile_test_firebase_android]
 - app
 - gradle
 - .gitignore
 - build.gradle.kts
 - gradle.properties
 - gradlew
 - gradlew.bat
 - local.properties
 - mobile_test_firebase_android.iml
 - settings.gradle.kts
 - .gitignore
 - .metadata
 - analysis_options.yaml
 - pubspec.lock
 - pubspec.yaml
 - README.md
- Editor Area:** The main code editor for "main.dart". The code is as follows:

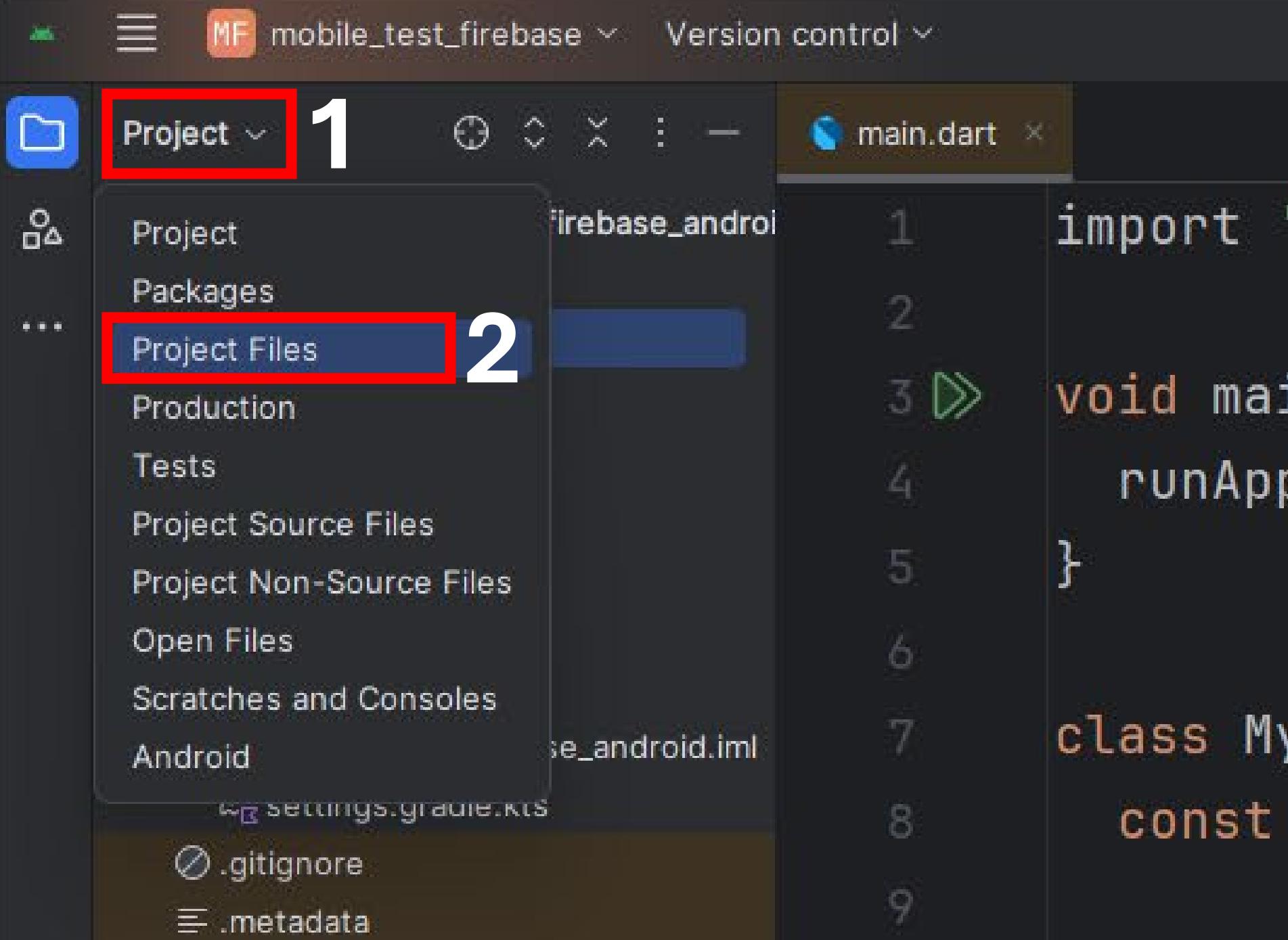
```
import 'package:flutter/material.dart';

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(
            title: 'Flutter Demo',
            theme: ThemeData(
                // This is the theme of your application.
                //
                // TRY THIS: Try running your application with "flutter run". You'll
                // see the application has a purple toolbar. Then, without quitting the
                // app, try changing the seedColor in the colorScheme below to Colors.g
                // and then invoke "hot reload" (save your changes or press the "h
                // reload" button in a Flutter-supported IDE, or press "r" if you
                // are on the command line to start the app).
                //
                // Notice that the counter didn't reset back to zero; the applicat
                // state is not lost during the reload. To reset the state, use ho
                // restart instead.
                //
            ),
        );
    }
}
```

The code is syntax-highlighted with colors for keywords, comments, and strings. Line numbers are visible on the left. A vertical scroll bar is on the right side of the editor.



ALT+F12

Buat buka CMD/Console

The screenshot shows the Android Studio interface with the following details:

- Project Tree:** On the left, the project structure is shown under "mobile_test_firebase". It includes an "app" folder, "gradle", ".gitignore", "build.gradle.kts", "gradle.properties", "gradlew", "gradlew.bat", "local.properties", "mobile_test_firebase_android.iml", "settings.gradle.kts", ".gitignore", ".metadata", "analysis_options.yaml", "pubspec.lock", "pubspec.yaml", and "README.md".
- Code Editor:** The main editor window displays the "main.dart" file. The code defines a simple Flutter application with a MaterialApp.

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

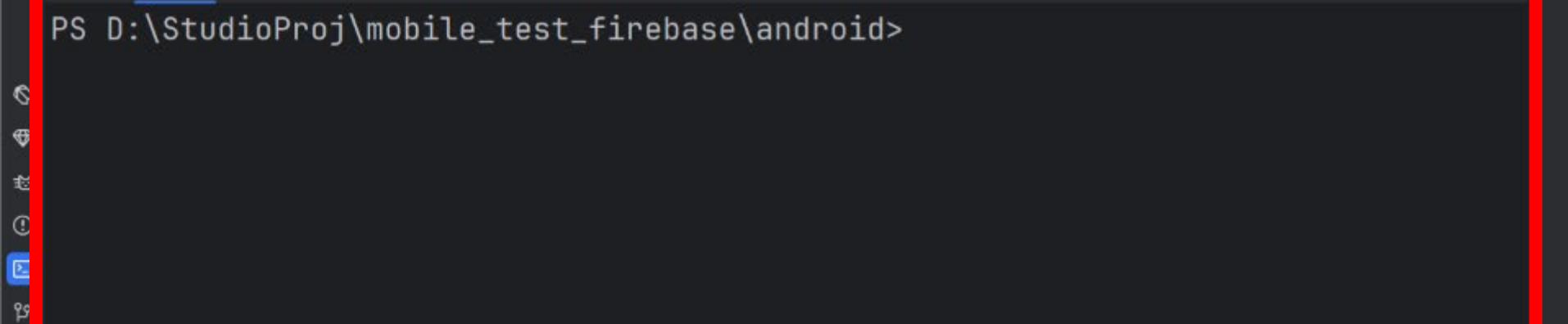
void main() {
  runApp(const MyApp());
}

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

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        // This is the theme of your application.
        //
        // Try running your app with "flutter run". You'll see the
        // application has a blue toolbar. Then, without quitting the
        // application, try changing the primarySwatch below to Colors.green
        // and then invoke "hot reload" (press "r" in the keyboard). You'll
        // see the application has updated to the new color!
        primarySwatch: Colors.blue,
      ),
    );
  }
}
```

Terminal Local +

PS D:\StudioProj\mobile_test_firebase\android>



Set Up Firebase

3. Cek Instalasi Node.js

node --version

Cek instalasi Node.js

Kalo ada “v--.--.-” berarti berhasil

```
Terminal Local ×
PS D:\StudioProj\mobile_test_firebase\android> node --version
v24.11.1
PS D:\StudioProj\mobile_test_firebase\android> █
```

Set Up Firebase

4. **SEKALI SAJA**, Instalasi Firebase secara Global

npm install -g firebase-tools

Install Firebase lewat NPM secara global

(Sekali saja, ntar kalo buat project baru, ngga usah run ini!)

```
Terminal Local + ▾
PS D:\StudioProj\mobile_test_firebase\android> npm install -g firebase-tools
npm warn deprecated node-domexception@1.0.0: Use your platform's native DOMException instead

added 1 package, and changed 752 packages in 29s
  81 packages are looking for funding
    run `npm fund` for details
PS D:\StudioProj\mobile_test_firebase\android>
```

`dart pub global activate firebase_cli`

Install Flutter Fire CLI secara global

(Sekali saja, ntar kalo buat project baru, ngga usah run ini!)

```
Terminal Local + ▾
PS D:\StudioProj\mobile_test_firebase\android> npm install -g firebase-tools
npm warn deprecated node-domexception@1.0.0: Use your platform's native DOMException instead

added 1 package, and changed 752 packages in 29s
  81 packages are looking for funding
    run `npm fund` for details
PS D:\StudioProj\mobile_test_firebase\android>
```

D: > StudioProj > mobile_test_firebase > lib > main.dart 19:44 CRLF UTF-8 2 spaces

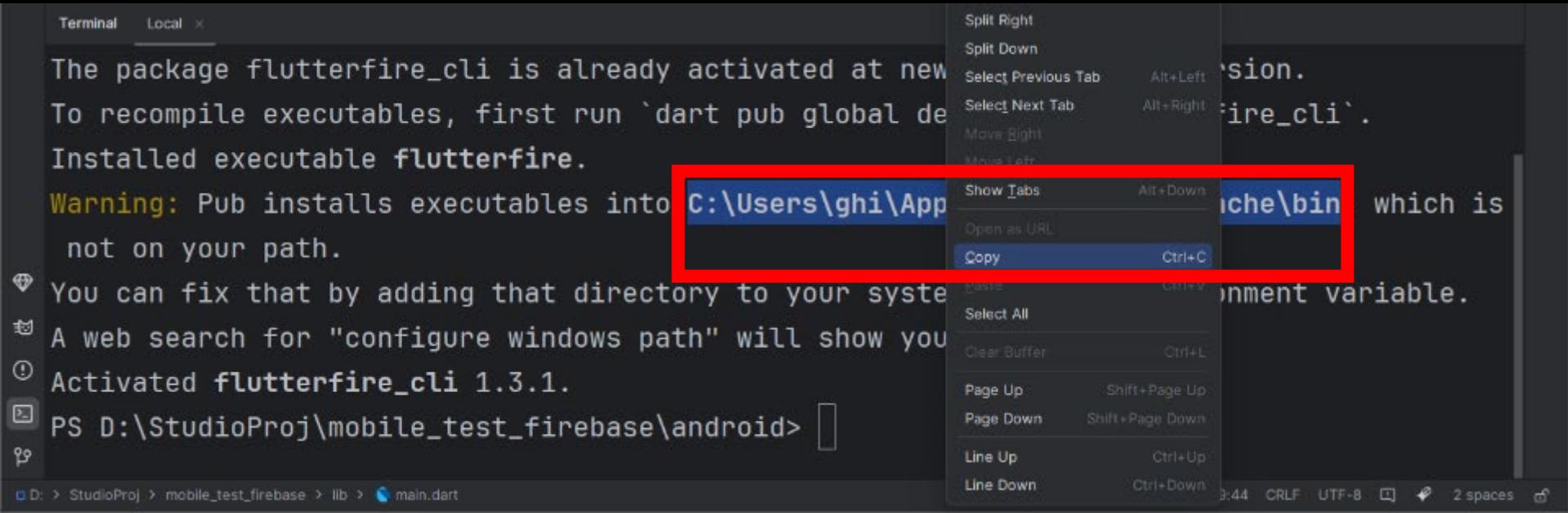
Kalau ada “WARNING” ini, jangan dibiarkan.

(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)

```
Terminal Local + ▾
The package flutterfire_cli is already activated at newest available version.
To recompile executables, first run `dart pub global deactivate flutterfire_cli`.
Installed executable flutterfire.
Warning: Pub installs executables into C:\Users\ghi\AppData\Local\Pub\Cache\bin, which is
not on your path.
💡 You can fix that by adding that directory to your system's "Path" environment variable.
🔗 A web search for "configure windows path" will show you how.
ⓘ Activated flutterfire_cli 1.3.1.
PS D:\StudioProj\mobile_test_firebase\android> █
D: > StudioProj > mobile_test_firebase > lib > main.dart
19:44 CRLF UTF-8 2 spaces
```

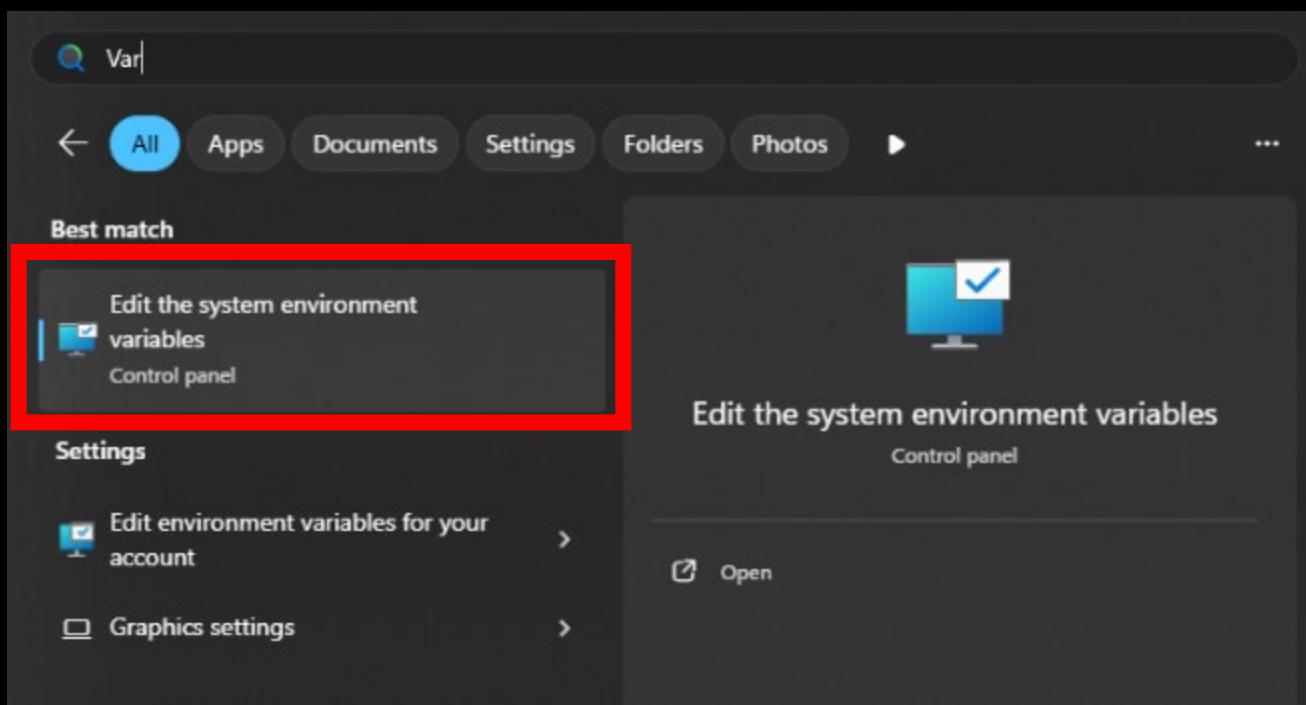
1. Select PATH-nya
2. Klik kanan
3. Copy

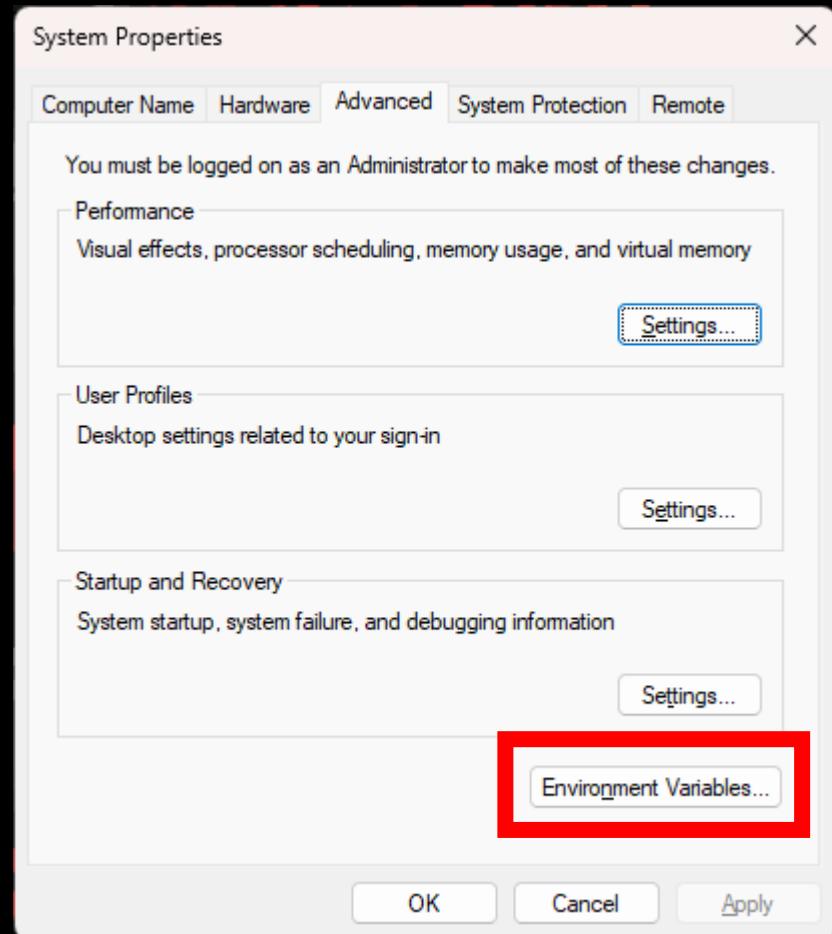
(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)



4. Buka Windows
5. Cari “Variable”
6. Buka aplikasi ini

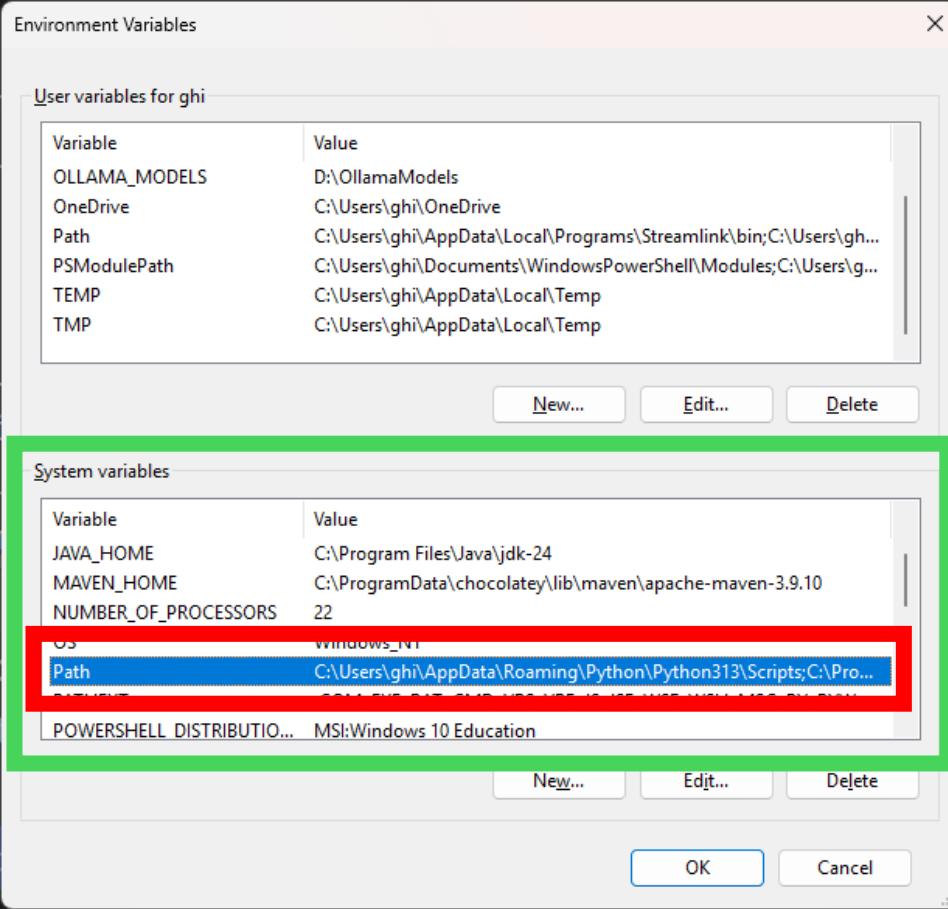
(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)





7. Pencet “Environment Variables”

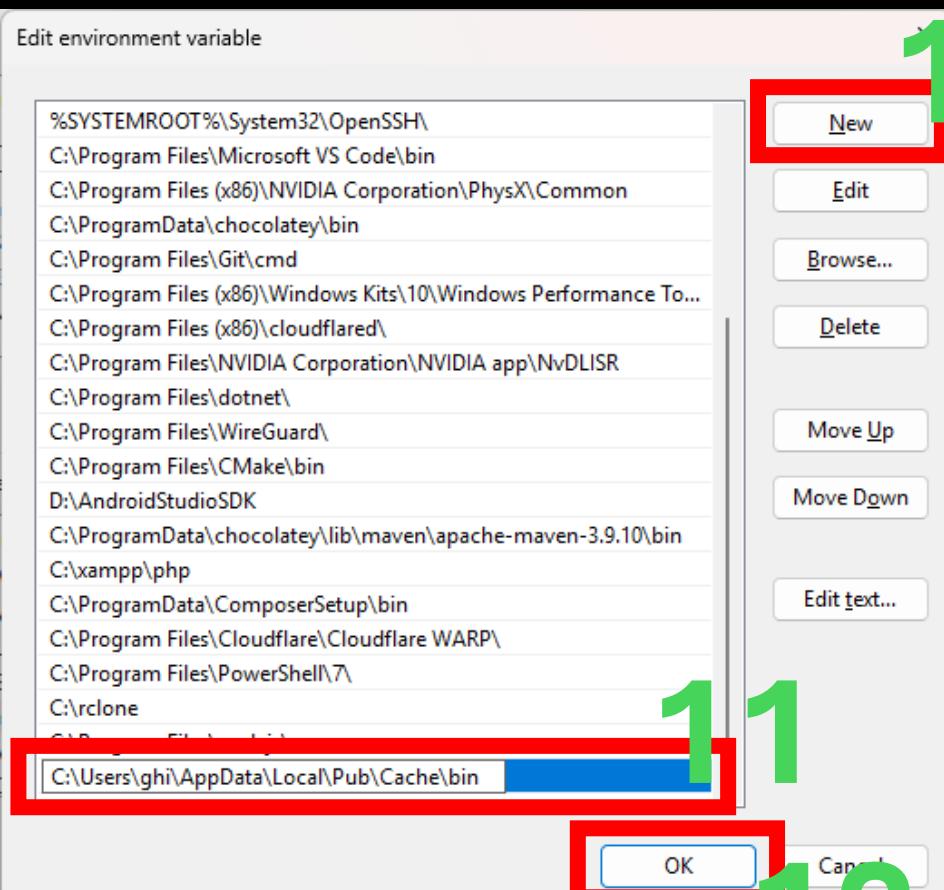
(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)



8. Bagian “System Variable” scroll kebawah

9. Double-click PATH

(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)



10

10. Pencet New

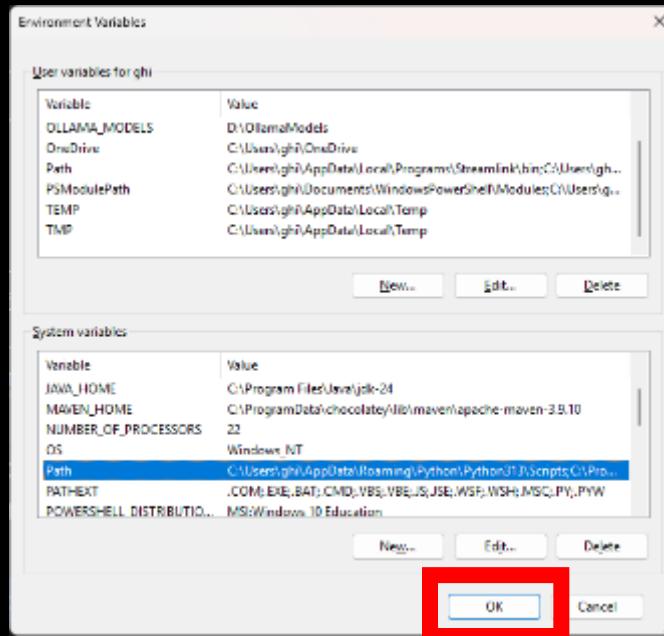
11

11. Paste (CTRL+V)

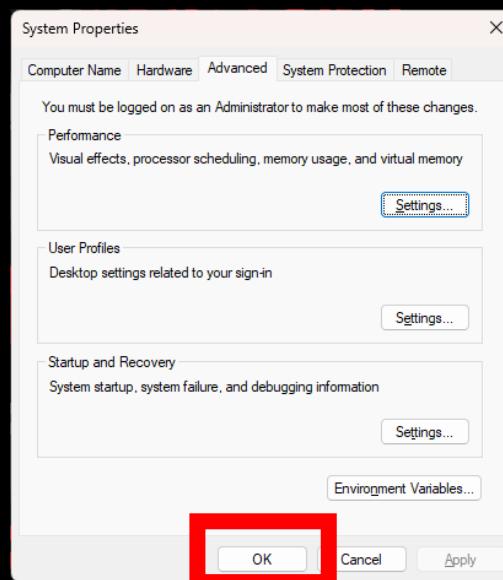
12

12. Pencet OK

(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)



13. Pencet OK lagi buat Close



14. OK lagi

(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)

15. PENTING, close dulu
Android Studio nya biar
CMD/Terminal nya Restart

16. Buka lagi Android Studio nya

(Sekali saja, ntar kalo buat project baru, ngga usah lakukan hal ini lagi!)

firebase login

Login ke Firebase

(Sekali saja, ntar kalo buat project baru, ngga usah run ini!)

```
Terminal Local + ▾ PS D:\StudioProj\mobile_test_firebase\android> firebase login
```



Ada pertanyaan? Jawab aja (Y/N)

Login ke Firebase

(Sekali saja, ntar kalo buat project baru, ngga usah run ini!)

```
Terminal Local + ▾ : -  
PS D:\StudioProj\mobile_test_firebase\android> firebase login  
i  The Firebase CLI's MCP server feature can optionally make use of Gemini in Firebase. Learn more about Gemini in Firebase and how it uses your data: https://firebase.google.com/docs/gemini-in-firebase#how-gemini-in-firebase-uses-your-data  
? Enable Gemini in Firebase features? (Y/n) y  
D: > StudioProj > mobile_test_firebase > lib > main.dart 19:44 CRLF UTF-8 2 spaces
```

Biasanya langsung buka Browser, login aja ke Akun yang tadi.

(Kalo ngga, copy URL nya, buka di Browsermu)

Login ke Firebase

(Sekali saja, ntar kalo buat project baru, ngga usah run ini!)

```
Terminal Local + ▾ : -  
PS D:\StudioProj\mobile_test_firebase\android> firebase login  
i The Firebase CLI's MCP server feature can optionally make use of Gemini in Firebase. Learn more about Gemini in Firebase and how it uses your data: https://firebase.google.com/docs/gemini-in-firebase#how-gemini-in-firebase-uses-your-data  
? Enable Gemini in Firebase features? (Y/n) y  
D: > StudioProj > mobile_test_firebase > lib > main.dart 19:44 CRLF UTF-8 2 spaces
```

 Login dengan Google

Pilih akun

untuk melanjutkan ke [Firebase CLI](#)



 [Gunakan akun lain](#)

Sebelum menggunakan aplikasi ini, Anda dapat meninjau [kebijakan privasi](#) dan [persyaratan layanan Firebase CLI](#).

http://localhost:9005/?state=609070186&code=4/0Ab32j93hcf-3vcLGI38p7eX9INffag6hCbBdIH70B9z0kOBOPhnp2I9YxKn1InAyJjbHCw&scope=

Woohoo!

Firebase CLI Login Successful

You are logged in to the Firebase Command-Line Interface. You can immediately close this window and continue using the CLI.

Kalau ada ini, udah login

Login ke Firebase

(Sekali saja, ntar kalo buat project baru, ngga usah run ini!)

A screenshot of a terminal window titled "Terminal Local". The window shows a command being entered and its output. The command is:

```
s%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&state=609070186&redirect_uri=http%3A%2F%2Flocalhost%3A9005
```

Below the command, the text "Waiting for authentication..." is displayed. A green rectangular box highlights the terminal output, which shows a success message:

```
+ Success! Logged in as mghiffari99@gmail.com
```

At the bottom of the terminal, the prompt "PS D:\StudioProj\mobile_test_firebase\android>" is visible. The status bar at the bottom right shows the time as 19:44 and encoding as CRLF UTF-8.

Set Up Firebase

5. **LAKUKAN SETIAP PROJECT BARU,**
Konfigurasi Firebase ke Project

cd ..

flutterfire configure

Konfigurasi, Firebase ke Flutter.

Kalo error, “FlutterAppRequiredException”, pindah ke Project ROOT
(Mulai dari step ini, dilakukan kalau buat project baru)

```
Terminal Local + × : -  
PS D:\StudioProj\mobile_test_firebase\android> flutterfire configure  
FlutterAppRequiredException: The current directory does not appear to  
be a Flutter application project.  
PS D:\StudioProj\mobile_test_firebase\android> cd ..  
PS D:\StudioProj\mobile_test_firebase> flutterfire configure  
: Fetching available Firebase projects...  
D: > StudioProj > mobile_test_firebase > lib > main.dart 19:44 CRLF UTF-8 2 spaces
```

Pilih “Create a new Project”, terus ENTER

Konfigurasi, Firebase ke Flutter.

CONTROL PAKE ARROWS (ATAS-BAWAH), PILIH = SPASI



```
Terminal Local + ▾
PS D:\StudioProj\mobile_test_firebase> flutterfire configure
i Found 1 Firebase projects.
? Select a Firebase project to configure your Flutter application with
>
> uts-advmo (uts-advmo)
<create a new project>
```

The screenshot shows a terminal window with the following text:

```
PS D:\StudioProj\mobile_test_firebase> flutterfire configure
i Found 1 Firebase projects.
? Select a Firebase project to configure your Flutter application with
>
> uts-advmo (uts-advmo)
<create a new project>
```

A red box highlights the option "<create a new project>" in the list of options.

At the bottom of the terminal, there is a file navigation bar:

```
D: > StudioProj > mobile_test_firebase > lib > main.dart
```

At the bottom right of the screen, there is a status bar:

```
19:44 CRLF UTF-8 2 spaces
```

Nama Project terserah

Konfigurasi, Firebase ke Flutter.

CONTROL PAKE ARROWS (ATAS-BAWAH), PILIH = SPASI

```
Terminal Local + ▾
✓ Select a Firebase project to configure your Flutter application with
  · <create a new project>
? Enter a project id for your new Firebase project (e.g. my-cool-proje
✗ Firebase project ids must be lowercase and contain only alphanumeric
  and dash characters.
? Enter a project id for your new Firebase project (e.g. my-cool-proje
ct) > mobile-test-firebase
```

D: > StudioProj > mobile_test_firebase > lib > main.dart 19:44 CRLF UTF-8 2 spaces

Untuk sekarang, pilih “Android” dan “Web” aja, terus ENTER

Konfigurasi, Firebase ke Flutter.

CONTROL PAKE ARROWS (ATAS-BAWAH), PILIH = SPASI

The screenshot shows a terminal window with the following text:

```
Terminal Local + × : - ? Which platforms should your configuration support (use arrow keys & space to select)? >
✓ android
  ios
  macos
  ✓ web
  windows
```

The terminal interface includes a navigation bar with icons for file, edit, search, and others. The status bar at the bottom shows the path "D: > StudioProj > mobile_test_firebase > lib > main.dart" and the system status "19:44 CRLF UTF-8 2 spaces".

Firebase sudah terkonfigurasi di Project Flutter kamu

Konfigurasi, Firebase ke Flutter.

Terminal Local +

Platform Firebase App Id

web 1:99348628146:web:8a1c98423ca6bc9962ffab

android 1:99348628146:android:62275dcb1d9da92762ffab



ⓘ Learn more about using this file and next steps from the documentation:

ⓘ > <https://firebase.google.com/docs/flutter/setup>

☒ PS D:\StudioProj\mobile_test_firebase>

The screenshot shows the Android Studio interface with the following details:

- Project Files:** Shows the project structure under `D:\StudioProj\mobile_test_firebase`. The `firebase.json` file is highlighted with a green border.
- Code Editor:** Displays the `firebase.json` file content. The code is color-coded: `flutter`, `platforms`, `android`, `default`, `projectId`, `appId`, `fileOutput`, `dart`, `lib/firebase_options.dart`, `projectId`, `configurations`, `android`, `web`, and `fileOutput` are in purple; strings like project IDs and app IDs are in green.
- Bottom Status Bar:** Shows the path `D:\StudioProj\mobile_test_firebase > firebase.json`, file statistics (6:11 CRLF, 2 spaces), and the file type `JSON: firebase-config.json`.

```
1  {
2    "flutter": {
3      "platforms": {
4        "android": {
5          "default": {
6            "projectId": "mobile-test-firebase",
7            "appId": "1:99348628146:android:62275dc1d9da92762ffab",
8            "fileOutput": "android/app/google-services.json"
9          }
10         },
11       "dart": {
12         "lib/firebase_options.dart": {
13           "projectId": "mobile-test-firebase",
14           "configurations": {
15             "android": "1:99348628146:android:62275dc1d9da92762ffab",
16             "web": "1:99348628146:web:8a1c98423ca6bc9962ffab"
17           }
18         }
19       }
20     }
21   }
22 }
```



Hello, Muhammad

Welcome back to Firebase!

Get started



Create a new Firebase project

Integrate Firebase products to supercharge your app



Start coding an app

Create a new app from one of the Firebase Studio templates

Try out a sample app



Build an AI-powered Flutter app

Deploy a sample app that showcases how the Gemini Live API, multimodal prompts and image creation with None-Renano all work in Flutter.

Search all projects and workspaces

Projects and workspaces ▾



uts-advmo
uts-advmo



mobile-test-firebase
mobile-test-firebase



1–2 of 2

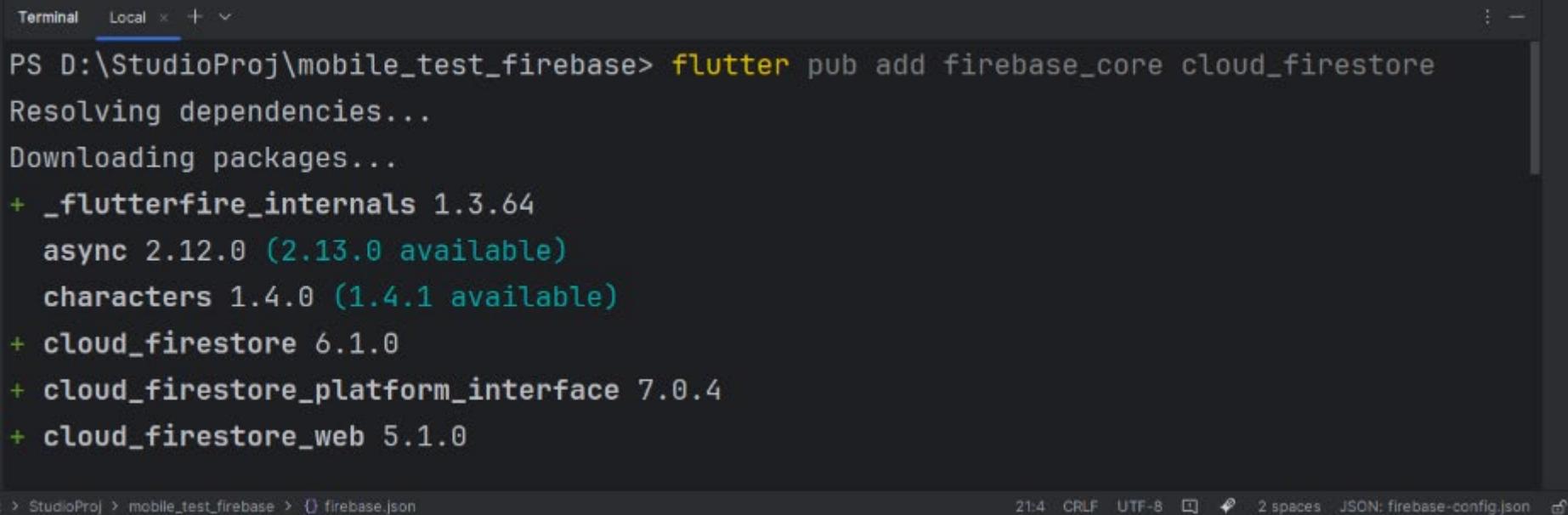


Install Dependensi

LAKUKAN SETIAP PROJECT BARU

`flutter pub add firebase_core cloud_firestore`

Tambahkan dependensi, bisa di pubspec.yaml,
juga bisa otomatis disini (termasuk versi terbaru, biar ngga cari-cari)



```
Terminal Local × + ▾
PS D:\StudioProj\mobile_test_firebase> flutter pub add firebase_core cloud_firestore
Resolving dependencies...
Downloading packages...
+ _flutterfire_internals 1.3.64
  async 2.12.0 (2.13.0 available)
  characters 1.4.0 (1.4.1 available)
  cloud_firestore 6.1.0
  cloud_firestore_platform_interface 7.0.4
  cloud_firestore_web 5.1.0
```

The screenshot shows a terminal window with the title 'Local'. The command `flutter pub add firebase_core cloud_firestore` is entered and executed. The output shows the package being resolved and downloaded. Several packages are listed with their current versions and available updates in parentheses.

The screenshot shows the Android Studio interface with the following details:

- Project Files:** The project structure is visible on the left, including .dart_tool, .idea, android, lib, test, web, .flutter-plugins, .flutter-plugins-dependencies, .gitignore, .metadata, analysis_options.yaml, firebase.json, pubspec.lock, and pubspec.yaml.
- pubspec.yaml:** The file is open in the main editor. It contains the following code:

```
dependencies:
  flutter:
    sdk: flutter

  # The following adds the Cupertino Icons font to your application.
  # Use with the CupertinoIcons class for iOS style icons.
  cupertino_icons: ^1.0.8

  firebase_core: ^4.2.1
  cloud_firestore: ^6.1.0

dev_dependencies:
  flutter_test:
```
- Terminal:** Below the editor, the terminal shows the output of the `pub get` command:

```
+ plugin_platform_interface 2.1.8
  test_api 0.7.4 (0.7.8 available)
  vector_math 2.1.4 (2.2.0 available)
  vm_service 14.3.1 (15.0.2 available)
+ web 1.1.1
Changed 10 dependencies!
```

Annotations in the terminal output:

 - A green box highlights the dependency entries: `firebase_core: ^4.2.1` and `cloud_firestore: ^6.1.0`.
 - A red diamond icon is next to the message "Changed 10 dependencies!"
 - A red exclamation mark icon is next to the message "13 packages have newer versions incompatible with dependency constraints."
 - A red question mark icon is next to the message "Try `flutter pub outdated` for more information."- Status Bar:** At the bottom, it shows the path "D:\StudioProj\mobile_test_firebase > pubspec.yaml", the time "38:26", and the encoding "CRLF UTF-8".

The screenshot shows the Android Studio interface with the following details:

- Project Files:** The project structure is visible on the left, showing files like `firebase.json`, `pubspec.yaml`, and `main.dart`. The `lib/firebase_options.dart` file is selected and highlighted with a green border.
- Code Editor:** The main window displays the `firebase_options.dart` file content. It includes comments about the default options for Firebase apps and an example implementation. The code defines a `DefaultFirebaseOptions` class with a static method `currentPlatform` that returns the appropriate platform configuration based on the target platform.

```
1 > ...
2 > import ...
3 
4 /// Default [FirebaseOptions] for use with your Firebase apps.
5 /**
6  * Example:
7  *   dart
8  *   import 'firebase_options.dart';
9  *   // ...
10 *   await Firebase.initializeApp(
11 *     options: DefaultFirebaseOptions.currentPlatform,
12 *   );
13 */
14 
15 class DefaultFirebaseOptions {
16   static FirebaseOptions get currentPlatform {
17     if (kIsWeb) {
18       return web;
19     }
20     switch (defaultTargetPlatform) {
21       case TargetPlatform.android:
22         return android;
23       case TargetPlatform.iOS:
24         throw UnsupportedError(
25           'DefaultFirebaseOptions have not been configured for iOS - '
26         );
27     }
28   }
29 }
```

Terminal Local

```
+ plugin_platform_interface 2.1.8
  test_api 0.7.4 (0.7.8 available)
  vector_math 2.1.4 (2.2.0 available)
  vm_service 14.3.1 (15.0.2 available)
+ web 1.1.1
! Changed 10 dependencies!
! 13 packages have newer versions incompatible with dependency constraints.
! Try `flutter pub outdated` for more information.
PS D:\StudioProj\mobile_test_firebase>
```

Buat Database Baru

LAKUKAN SETIAP PROJECT BARU

mobile-test-firebase - Cloud Fire +

150% 229 32

console.firebaseio.google.com/u/0/project/mobile-test-firebase/firestore

Firebase mobile-test-firebase ▾

Project Overview

Project shortcuts

Firestore Database

Product categories

Build

App Check

App Hosting

Authentication

Data Connect

Extensions

Firestore Database

Functions

Hosting

Machine Learning

Spark
No cost (\$0/month)

Upgrade

1

2

3

Cloud Firestore

Real-time updates, powerful queries, automatic scaling and MongoDB compatibility

Create database Ask Gemini

Learn more

How do I get started?
View the docs

The screenshot shows the Firebase Cloud Firestore console interface. A vertical sidebar on the left contains various project services: Build, App Check, App Hosting, Authentication, Data Connect, Extensions, Functions, Hosting, and Machine Learning. The 'Firestore Database' service is highlighted with a red box and labeled '1'. Below it, the 'Build' service is also highlighted with a red box and labeled '2'. In the main content area, the 'Cloud Firestore' section is displayed with its features: real-time updates, powerful queries, automatic scaling, and MongoDB compatibility. A large blue server icon is shown on the right. A prominent 'Create database' button is highlighted with a red box and labeled '3'. At the bottom, there's a 'Learn more' link and a 'How do I get started?' section with a 'View the docs' link.

Create a database

1 Select edition

Standard edition

Simple query engine with automatic indexing. For documents up to 1 MiB.

4

Enterprise edition

Advanced query engine with MongoDB compatibility. For documents up to 4 MiB. Supports MongoDB drivers and tools only.

Not sure which edition is right for you? [Compare editions](#)

Next

2 Database ID and location

3 Configure

Create a database

Select edition

2 Database ID and location

Database ID

(default)

Location

asia-southeast2 (Jakarta)

ⓘ Your location setting is where your Cloud Firestore data will be stored

5



After you set this location, you cannot change it later.

Learn more

Next

3 Configure

X Create a database

3 Configure

After you define your data structure, **you will need to write rules to secure your data.** [Learn more](#)

Start in **Production mode**

Your data is private by default. Client read/write access will only be granted as specified by your security rules.

Start in **test mode**

Your data is open by default to enable quick setup. However, you must update your security rules within 30 days to enable long-term client read/write access.

6

```
rules_version = '2';

service cloud.firestore {
  match /databases/{database}/documents {
    match /{document=**} {
      allow read, write: if
        request.time < timestamp.date(2025, 12, 16);
```

! The default security rules for test mode allow anyone with your database reference to view, edit and delete all data in your database for the next 30 days

Cancel

Create



Project Overview



Project shortcuts

Firestore Database

Product categories

Build



Run



Analytics



AI



Related development tools

Firebase Studio

Spark
No cost (\$0/month)

Upgrade

mobile-test-firebase ▾

Cloud Firestore >

Database

Add database

◆ Ask Gemini about the core concepts of using Firestore

Data

Rules

Indexes

Disaster recovery

Usage

Extensions

Panel view

Query builder



More in Google Cloud ▾



(default)

+ Start collection

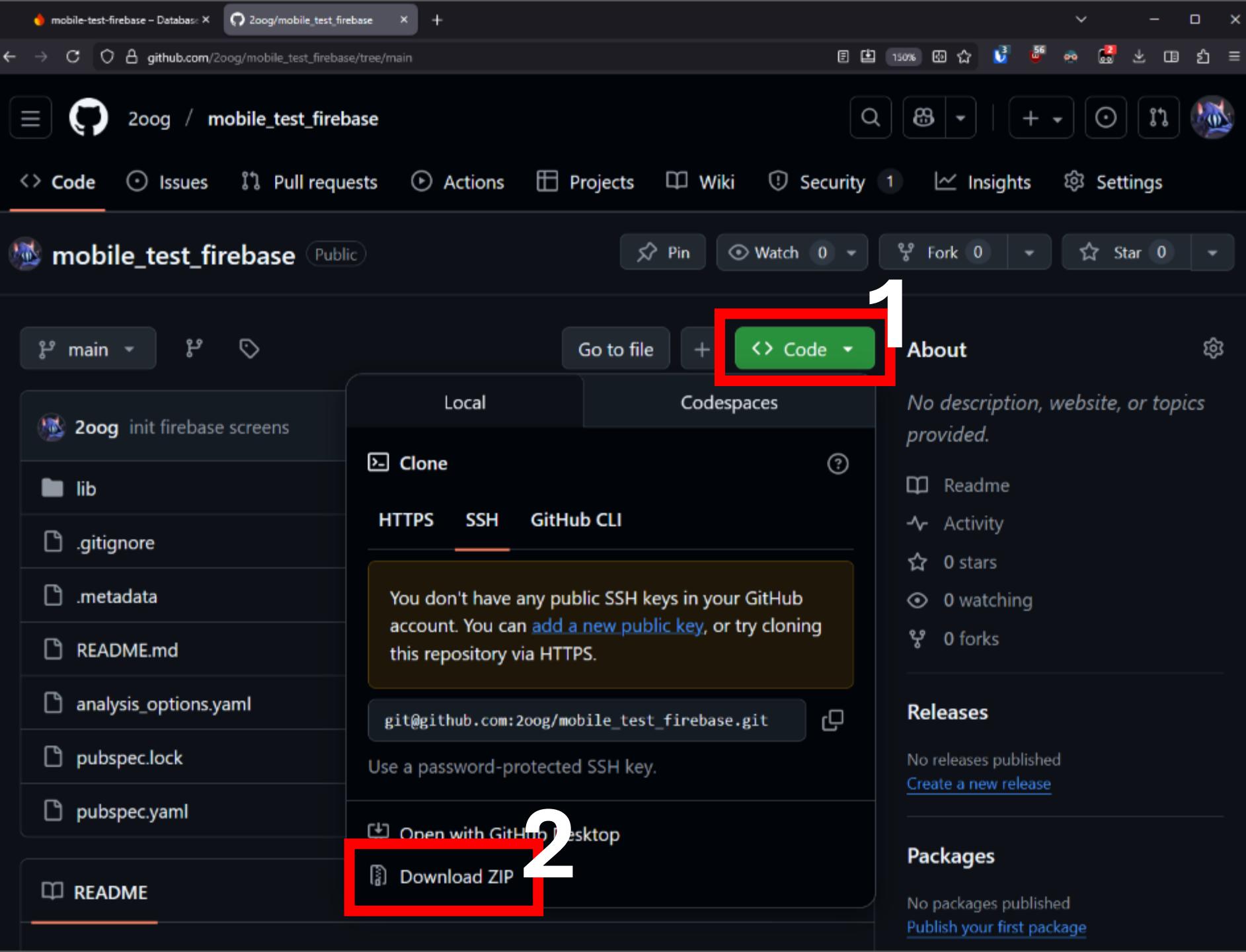


Your database is ready to go. Just add data.



Coba-coba koding

github.com/2oog/mobile_test_firebase



[Project Overview](#)

Project shortcuts

[Firestore Database](#)

Product categories

Build

Run

Analytics

AI

Related development tools

[Firebase Studio](#)Spark
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Panel view

Query builder

[More in Google Cloud](#) ▾[items](#) > [xdd](#)

(default)

items



xdd

[+ Start collection](#)[+ Add document](#)[+ Start collection](#)

items

asdf

[+ Add field](#)

xdd

created_at: 16 November 2025 at
05:28:25 UTC+7

harga_beli: 15000

harga_jual: 20000

kode: "xdd"

nama: "Hello"

satuan: "pcs"

updated_at: 16 November 2025 at
05:28:25 UTC+7