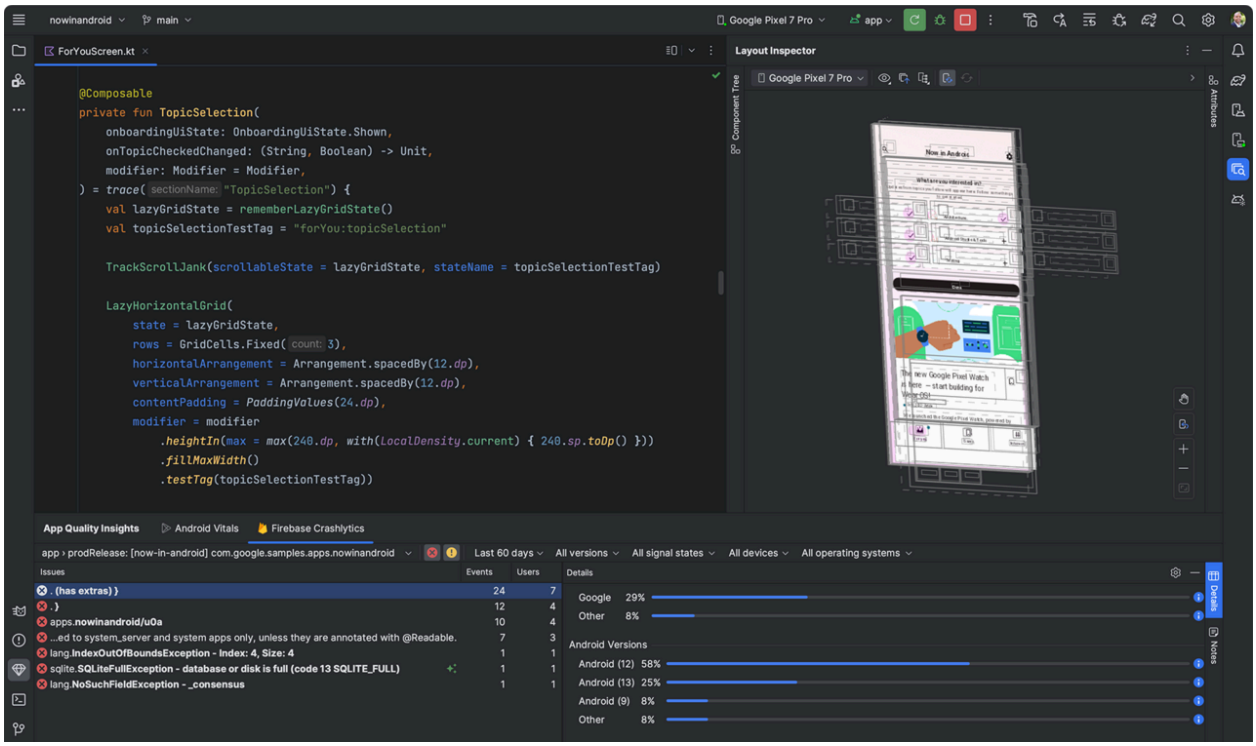
Copilot+PC



Learn to Code with GitHub Copilot in Android Studio

Learning to write code with your own AI assistant is like having a **superhero sidekick inside your computer!** 🦸💻

In this colorful beginner-friendly tutorial, you'll learn how to install **GitHub Copilot**, connect it to your GitHub account, generate Kotlin code, and ask Copilot to explain code you don't understand.

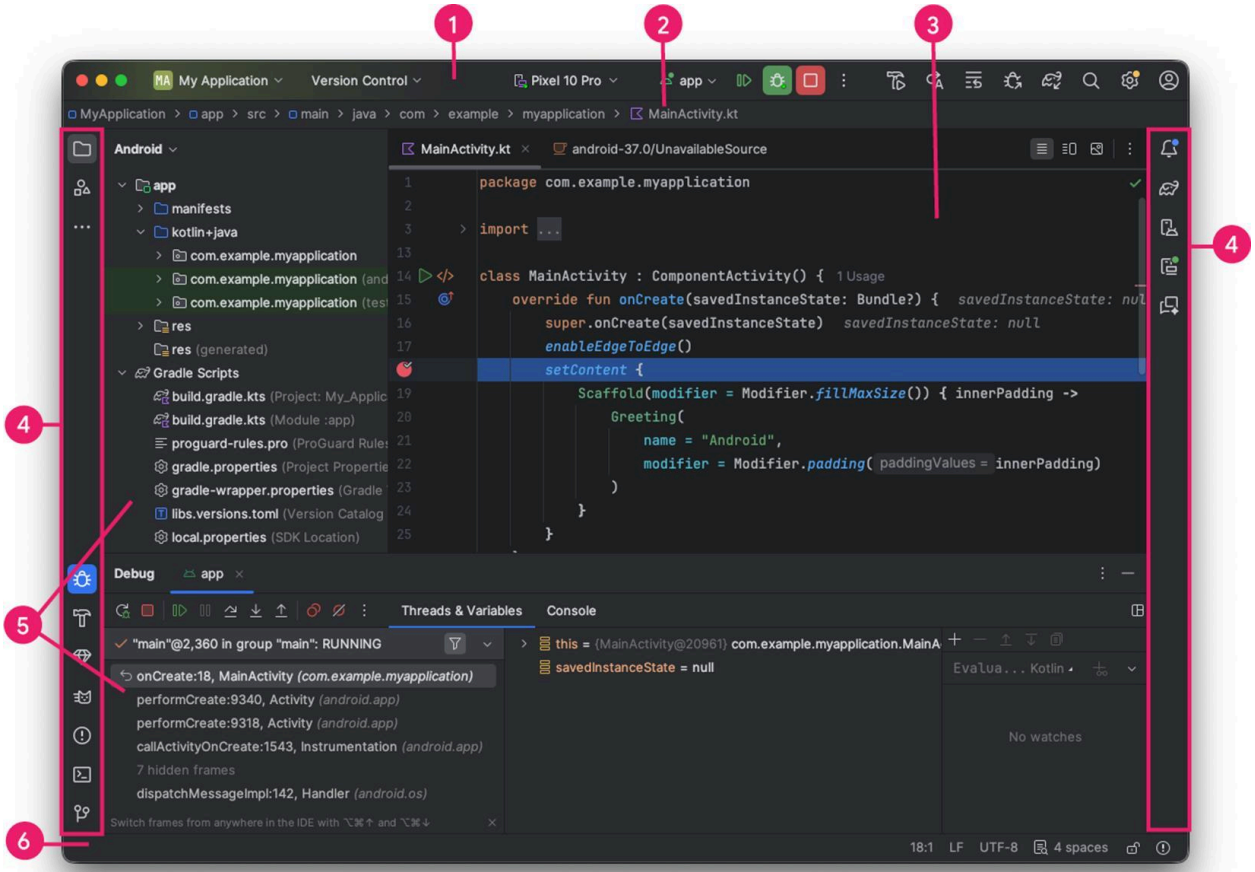
> **Important:** Android Studio also includes Google's Gemini features, so the exact menus and AI tools you see can vary by Android Studio version. The instructions below focus on **GitHub Copilot**. Android Studio's current documentation confirms that third-party AI models can also be integrated through its AI settings. (Android Developers)

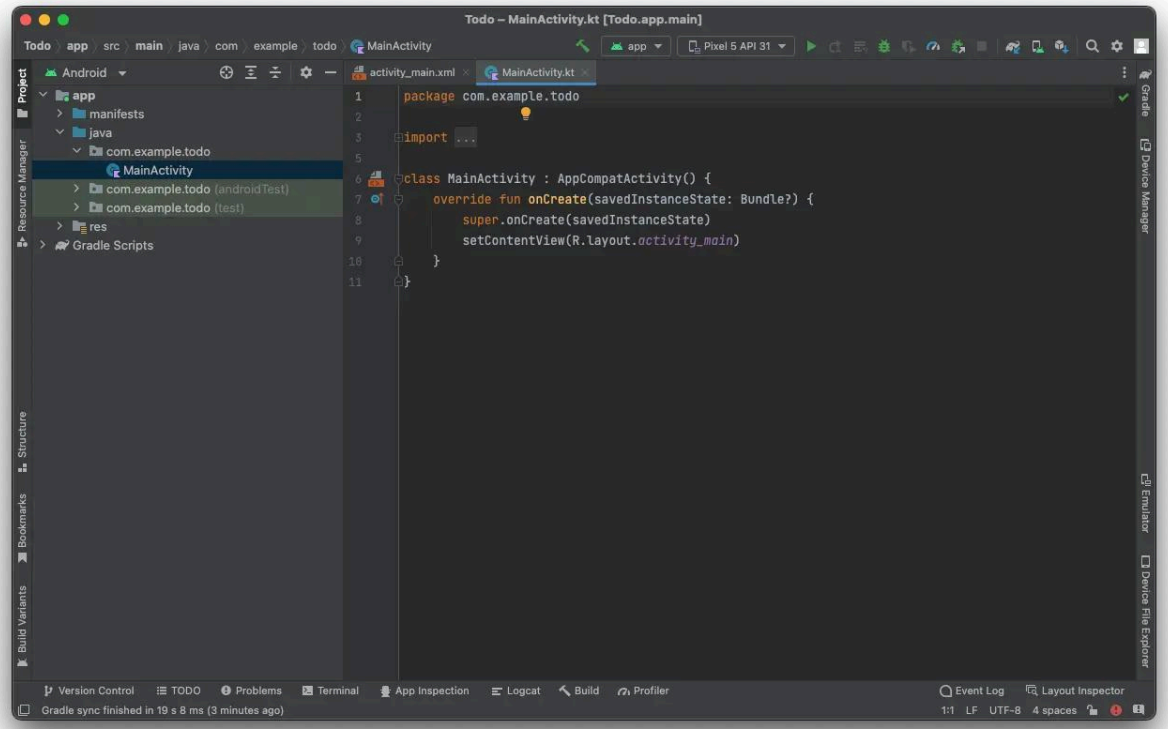
🟦 Step 1 — Install the GitHub Copilot AI Helper

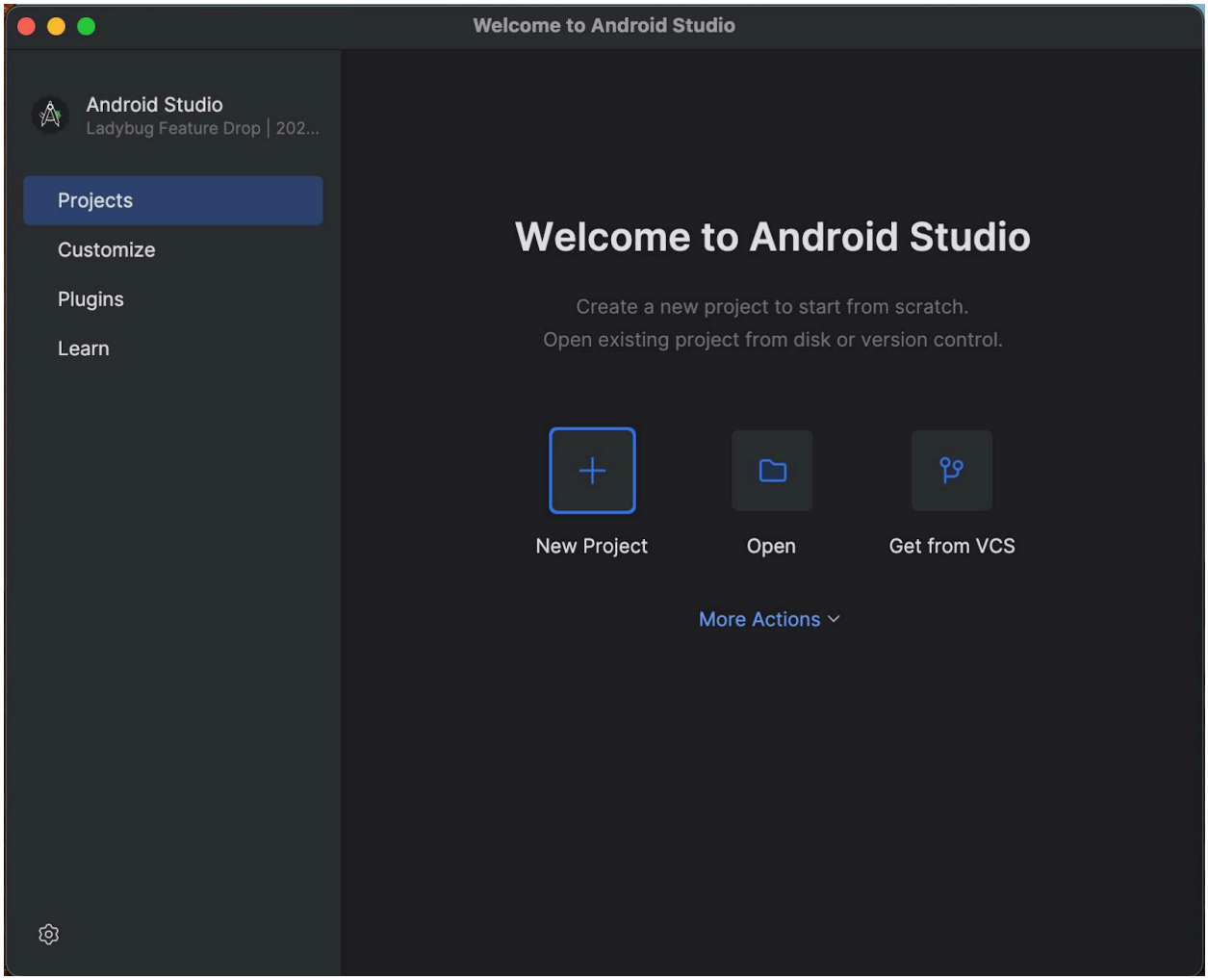
Think of Copilot as your **AI coding assistant**. It can suggest code, answer programming questions, help troubleshoot problems, and explain code. GitHub's documentation describes Copilot as providing coding suggestions as you type and answering coding-related questions.

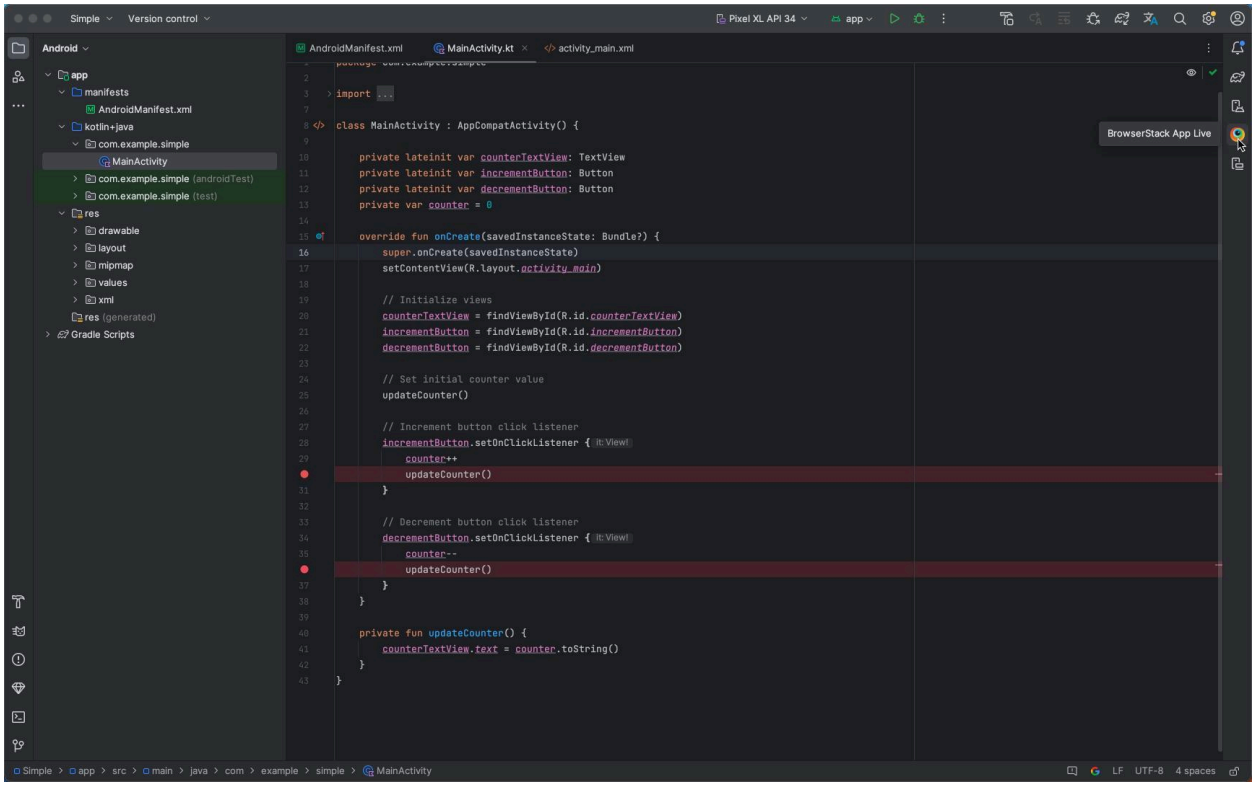
🖥️ 1. Open Android Studio

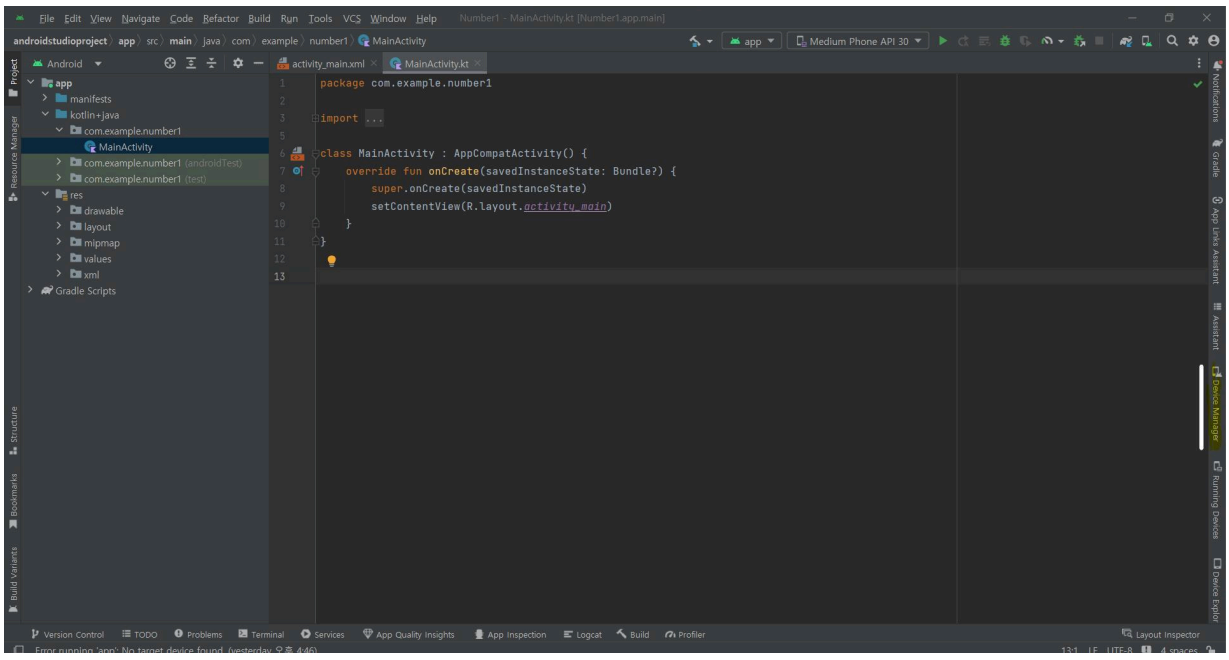
Start **Android Studio** on your Windows, Mac, or Linux computer.




Todo – MainActivity.kt [Todo.app.main]
Todo › app › src › main › java › com › example › todo › MainActivity
app
Pixel 5 API 31
Android
app
manifests
java
com.example.todo
MainActivity
com.example.todo (androidTest)
com.example.todo (test)
res
Gradle Scripts
activity_main.xml
MainActivity.kt
1 package com.example.todo
3 import ...
6 class MainActivity : AppCompatActivity() {
7 override fun onCreate(savedInstanceState: Bundle?) {
8 super.onCreate(savedInstanceState)
9 setContentView(R.layout.activity_main)
10 }
11 }
Project
Resource Manager
Structure
Bookmarks
Build Variants
Gradle
Device Manager
Emulator
Device File Explorer
Version Control
TODO
Problems
Terminal
App Inspection
Logcat
Build
Profiler
Event Log
Layout Inspector
Gradle sync finished in 19 s 8 ms (3 minutes ago)
1:1 LF UTF-8 4 spaces


Welcome to Android Studio
Android Studio
Ladybug Feature Drop | 202...
Projects
Customize
Plugins
Learn
Welcome to Android Studio
Create a new project to start from scratch.
Open existing project from disk or version control.
New Project
Open
Get from VCS
More Actions





⚙️ 2. Open Settings

On Windows/Linux:

File → Settings

On macOS:

Android Studio → Settings/Preferences

Android Studio's official documentation confirms that Settings is accessed through **File → Settings** on Windows/Linux, with the macOS menu differing. (Android Developers)

🧩 3. Select Plugins

In the Settings window:

Plugins → Marketplace

The Marketplace is where you can search for additional Android Studio/JetBrains plugins.

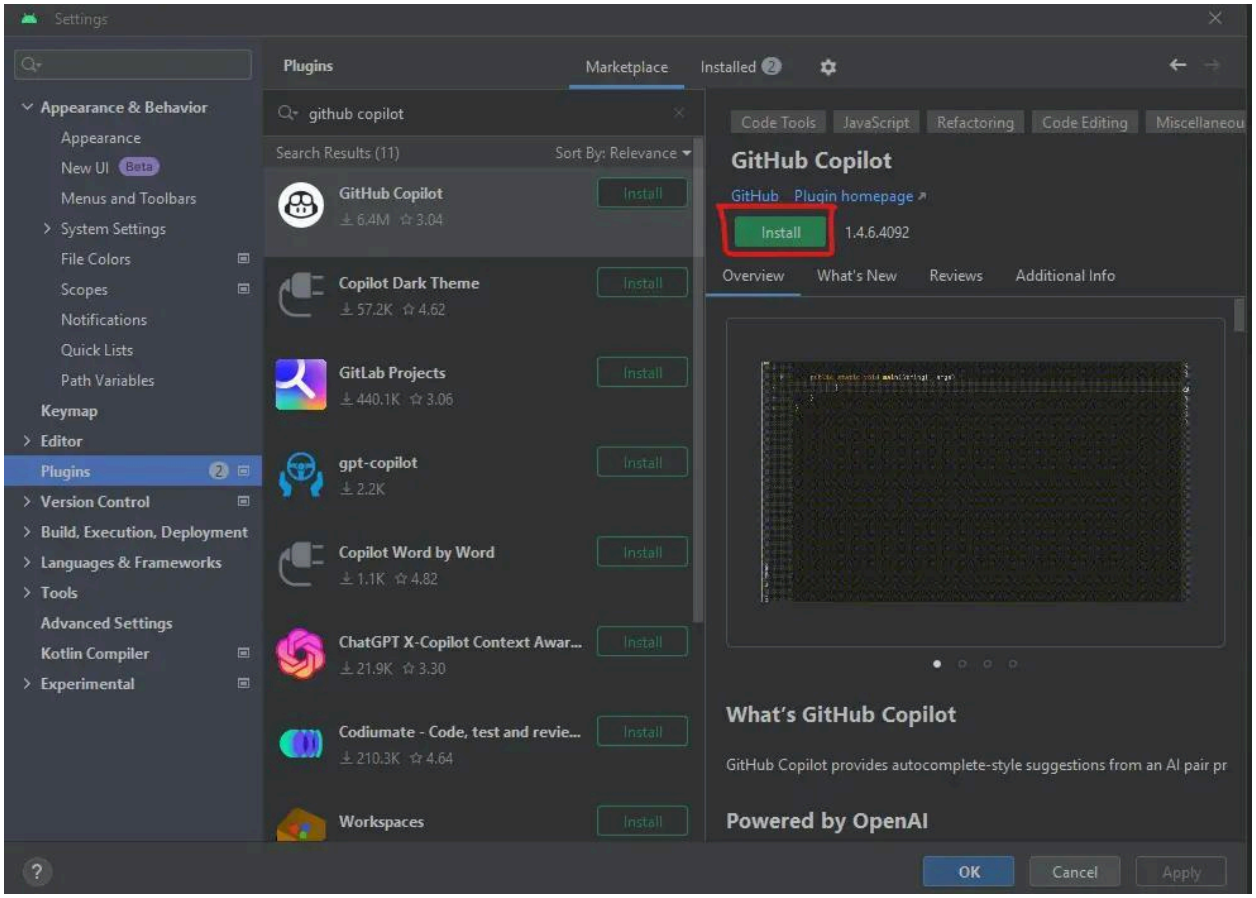
🔎 4. Search for GitHub Copilot

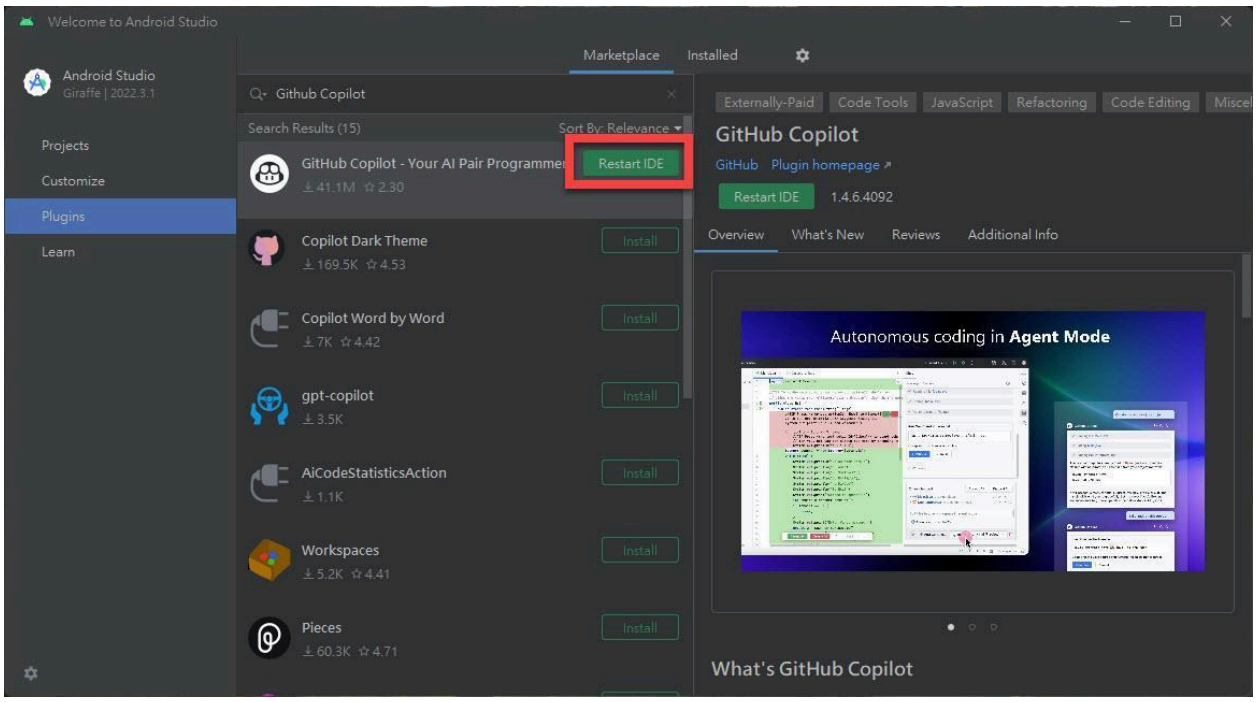
Type:

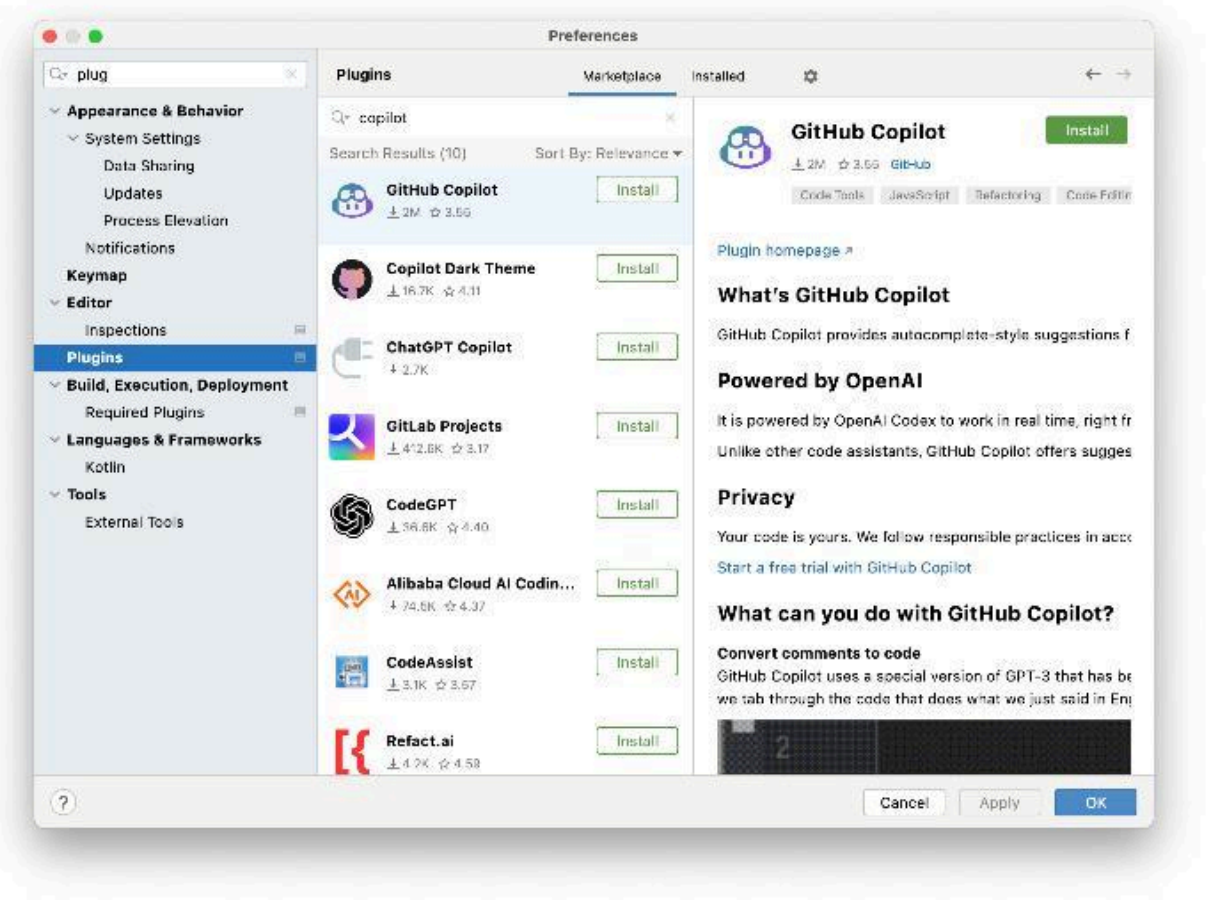
```
GitHub Copilot
```

into the search box.

Look for the official **GitHub Copilot** plugin and select **Install**.


Settings
Plugins
Marketplace
Installed
github copilot
Search Results (11)
Sort By: Relevance
GitHub Copilot
Install
Copilot Dark Theme
GitLab Projects
gpt-copilot
Copilot Word by Word
ChatGPT X-Copilot Context Awar...
Codiumate - Code, test and revie...
Workspaces
Appearance & Behavior
Appearance
New UI
Menus and Toolbars
System Settings
File Colors
Scopes
Notifications
Quick Lists
Path Variables
Keymap
Editor
Plugins
Version Control
Build, Execution, Deployment
Languages & Frameworks
Tools
Advanced Settings
Kotlin Compiler
Experimental
Code Tools
JavaScript
Refactoring
Code Editing
Miscellaneou
GitHub Copilot
GitHub
Plugin homepage
1.4.6.4092
Overview
What's New
Reviews
Additional Info
What's GitHub Copilot
GitHub Copilot provides autocomplete-style suggestions from an AI pair pr
Powered by OpenAI
OK
Cancel
Apply


Welcome to Android Studio
Android Studio
Giraffe | 2022.3.1
Projects
Customize
Plugins
Learn
Marketplace
Installed
Github Copilot
Search Results (15)
Sort By: Relevance
GitHub Copilot - Your AI Pair Programme
Restart IDE
Copilot Dark Theme
Copilot Word by Word
gpt-copilot
AiCodeStatisticsAction
Workspaces
Pieces
Externally-Paid
Code Tools
JavaScript
Refactoring
Code Editing
GitHub Copilot
GitHub
Plugin homepage
Restart IDE
1.4.6.4092
Overview
What's New
Reviews
Additional Info
Autonomous coding in Agent Mode
What's GitHub Copilot



🔄 5. Restart Android Studio

After installation finishes, Android Studio may ask you to restart.

Click:

Restart IDE

🎉 **Congratulations!** Your AI coding sidekick is installed.

🟪 Step 2 — Connect Copilot to GitHub

Now you need to connect Copilot to your GitHub account.

🔑 1. Open the Copilot login option

Look through the Android Studio menus for the GitHub Copilot login option.

Depending on your version of the plugin, the location or wording may differ slightly.

Select:

GitHub Copilot → Login to GitHub

🔢 2. Get your verification code

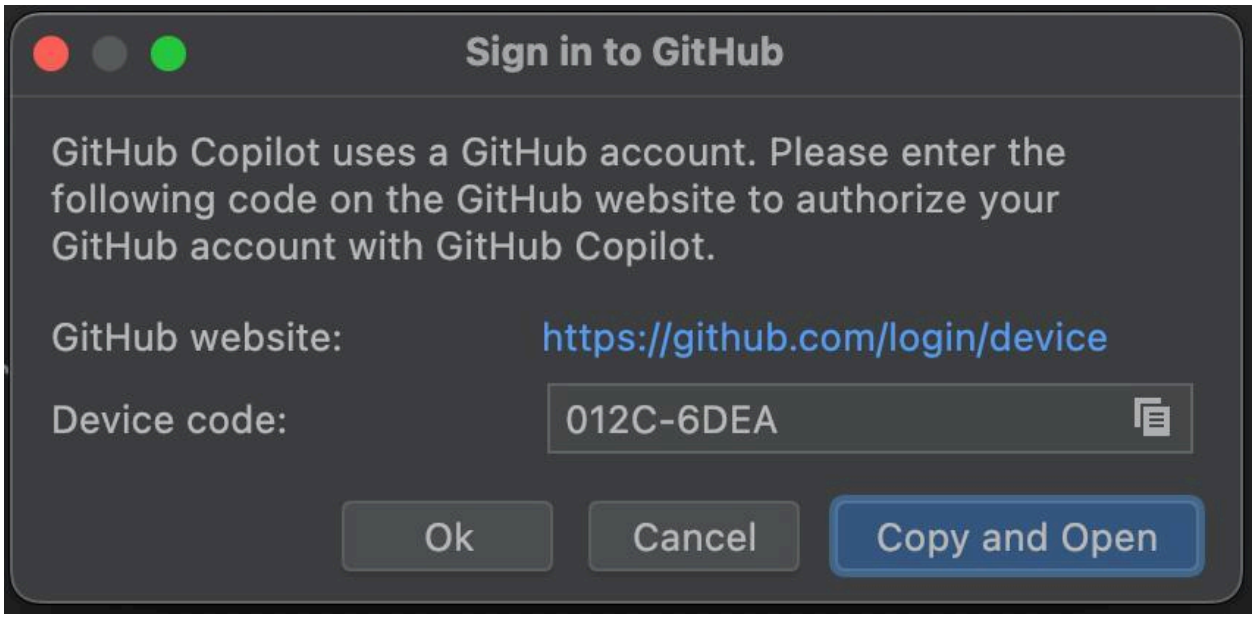
Copilot may display a window containing a temporary device code.

It may look similar to:

`XXXX-XXXX`

Click:

Copy and Open



Device Activation

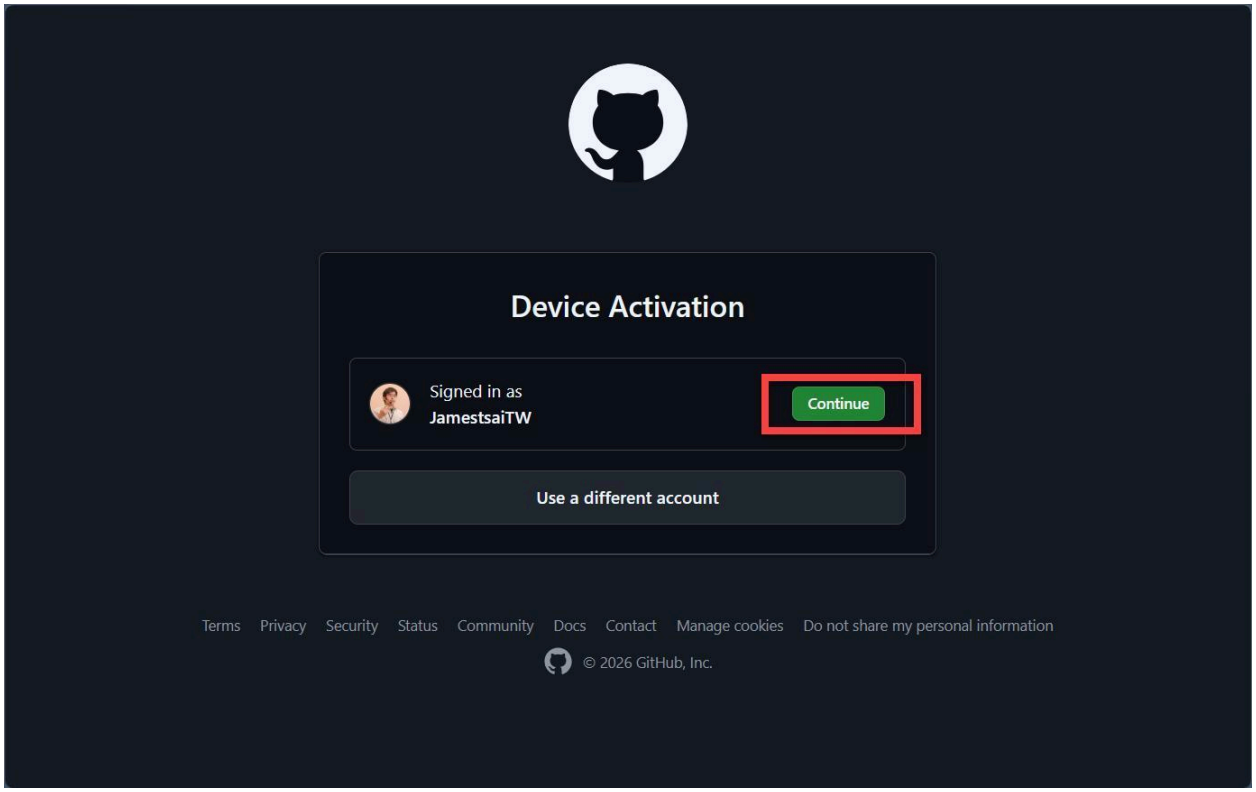
Signed in as **testuser-walleye**

Enter the code displayed on your device

7EA0-8119

Continue

GitHub staff will never ask you to enter your code on this page.



🌐 3. Authorize GitHub Copilot

Your browser will open a GitHub authorization page.

Paste the code into the box and continue.

👤 4. Sign in

Log in to your GitHub account and authorize Copilot when prompted.

GitHub currently offers **Copilot Free** as an option for trying Copilot with limited features, in addition to paid plans.

🟩 Step 3 — Ask Copilot to Write Code

Now comes the fun part! 🤖

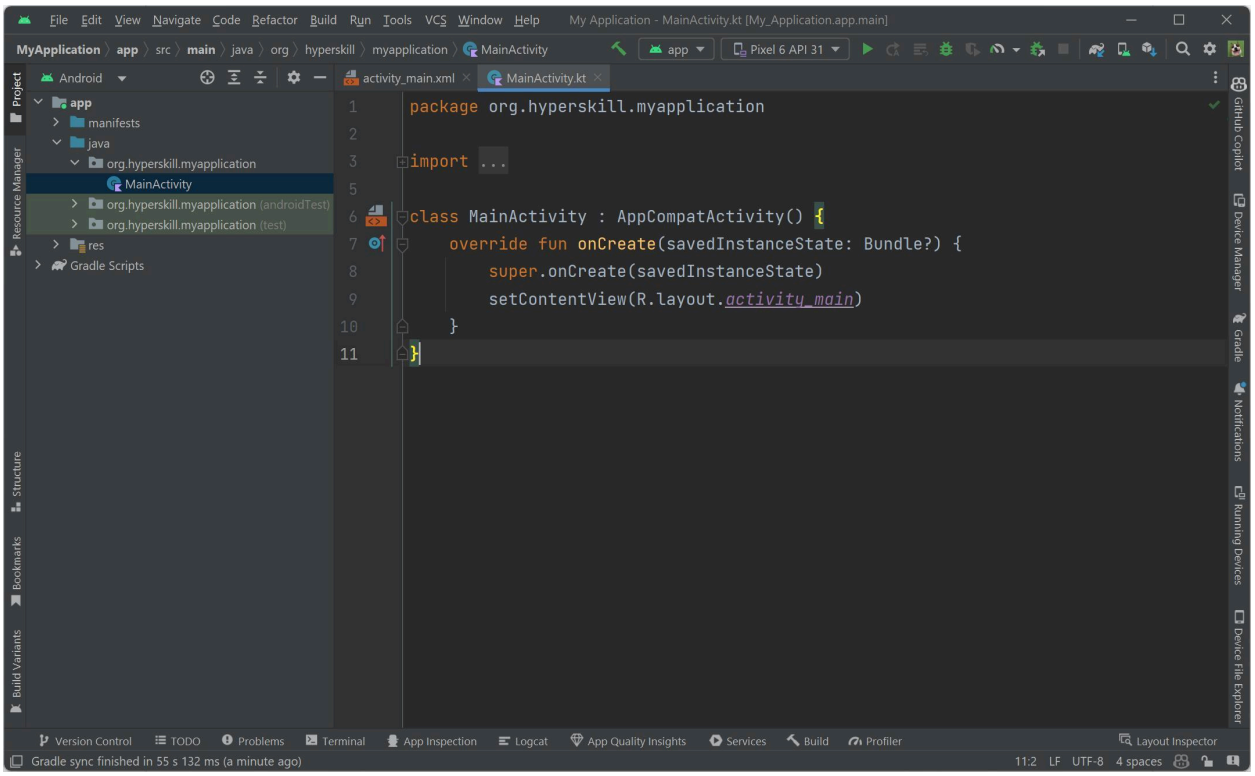
You can ask Copilot to help you create code.

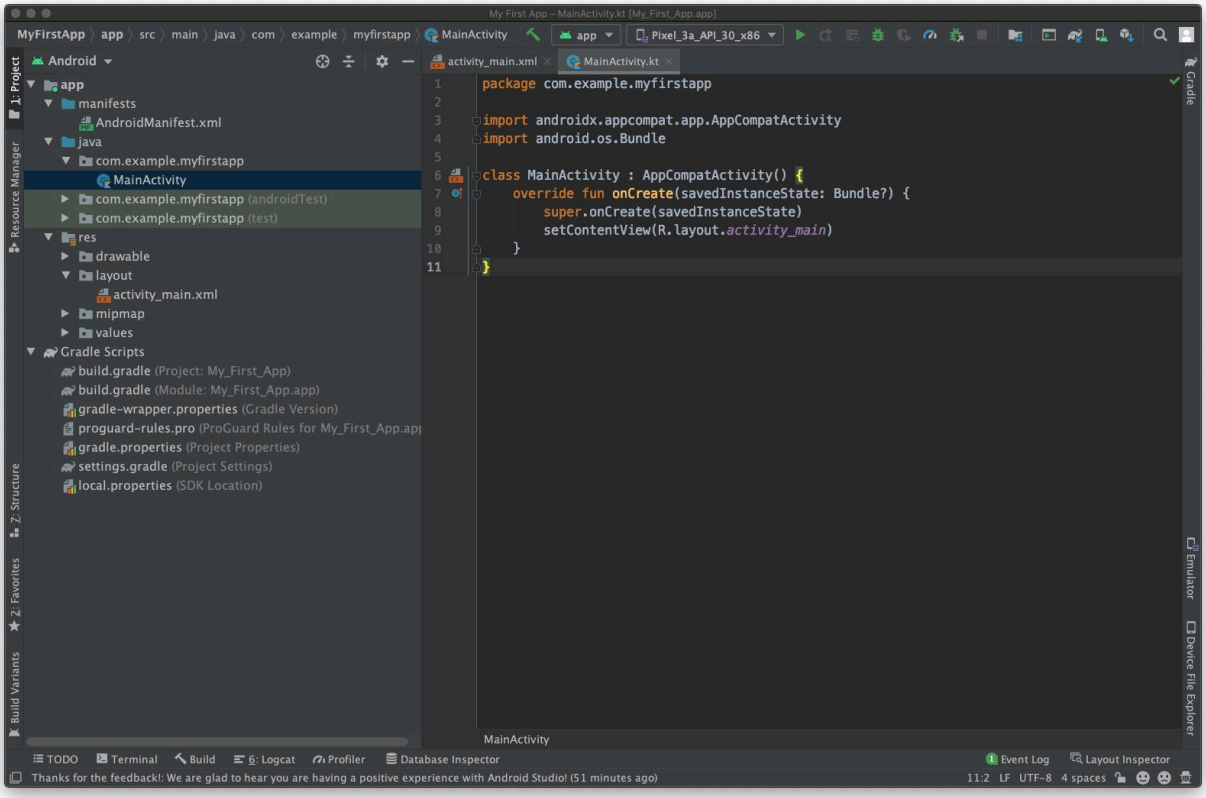
📱 1. Open a Kotlin file

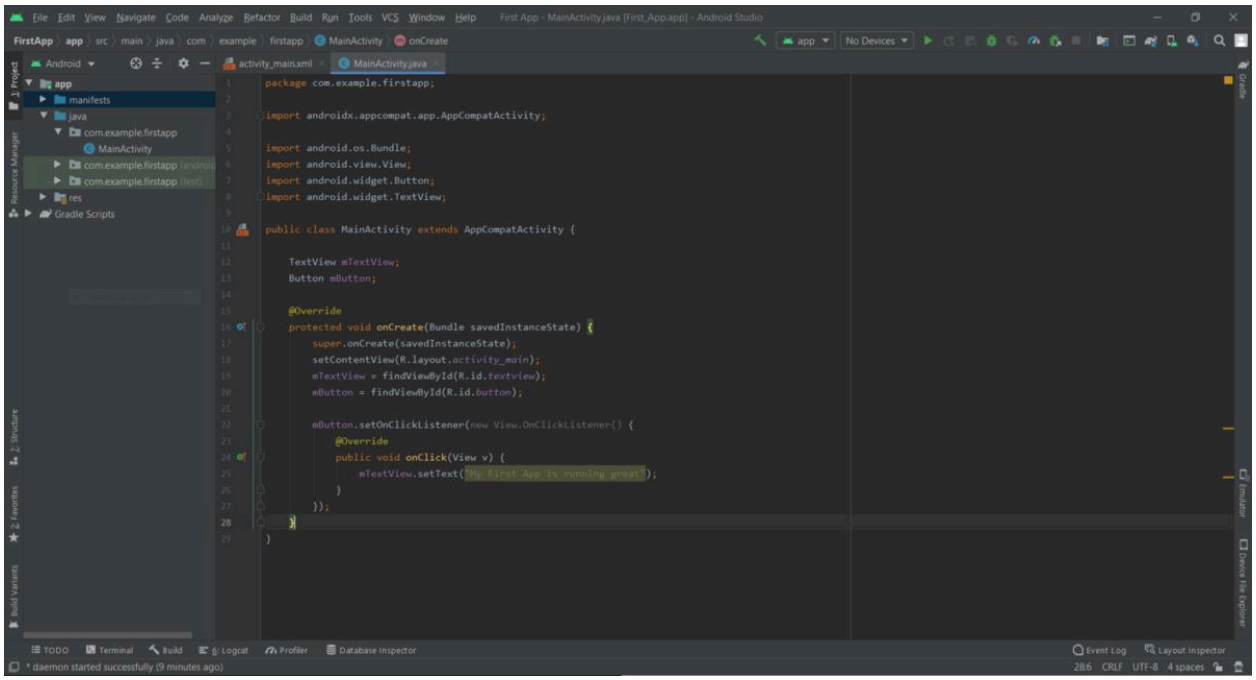
For example, open:

`MainActivity.kt`

Android Studio's editor is where you'll create and modify your program code. (Android Developers)







💬 2. Give Copilot an instruction

You can write a comment describing what you want.

For example:

// Make a button that shows a pop-up message saying Hello World

Think of this as giving your AI assistant a **programming assignment**.

👻 3. Watch for the ghost text

Copilot may display a suggested piece of code in lighter-colored text.

This is sometimes called an **inline suggestion**.

It might look something like:

```
Button(
    onClick = {
        Toast.makeText(
            this,
            "Hello World",
            Toast.LENGTH_SHORT
        ).show()
    }
)
```

⌨️ 4. Accept or reject the suggestion

If you like the suggestion:

Press Tab

If you don't want it:

Press Esc

💡 **Beginner Tip:** Never assume AI-generated code is automatically correct. Read it, understand it, and test it before relying on it.

GitHub specifically warns that Copilot's output should be evaluated carefully because AI-generated results can contain mistakes.

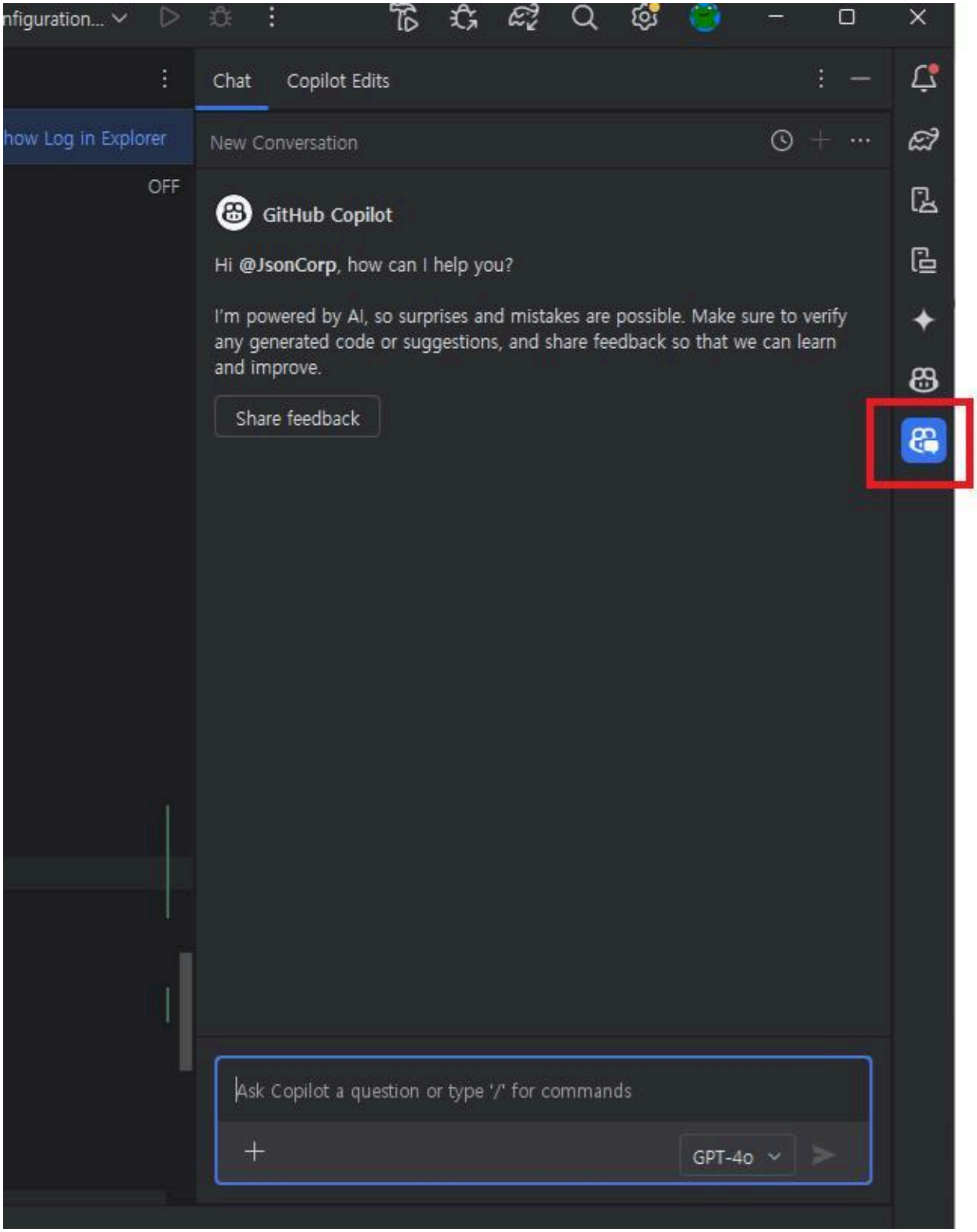
🟨 Step 4 — Talk to Copilot

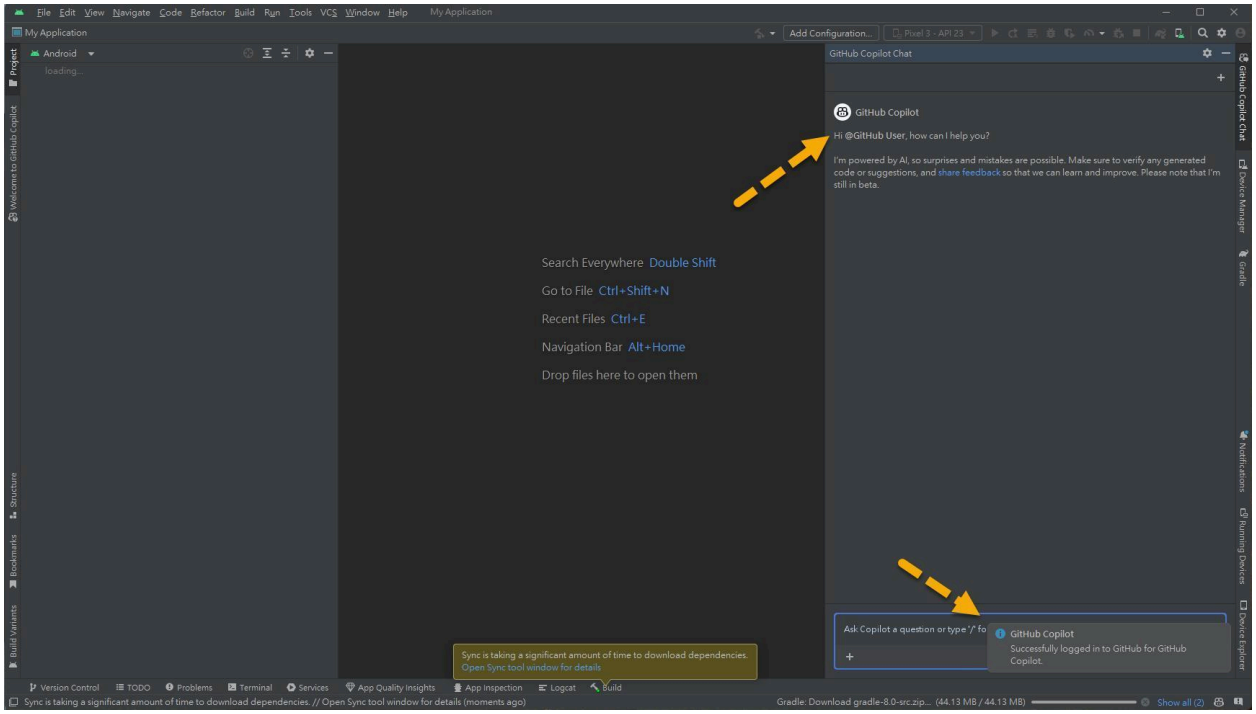
Copilot isn't just for generating code.

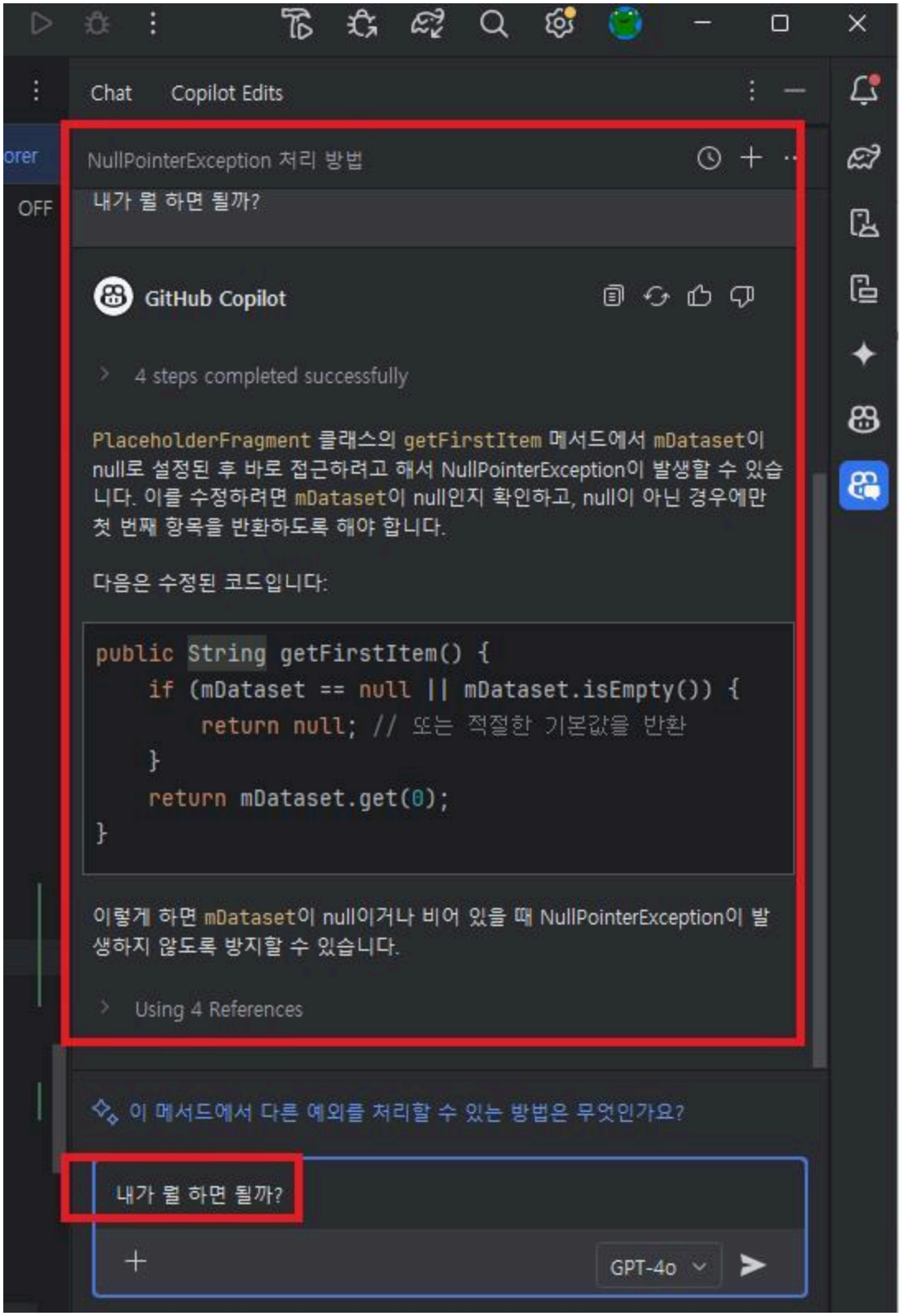
You can also **have a conversation with it about your program.**

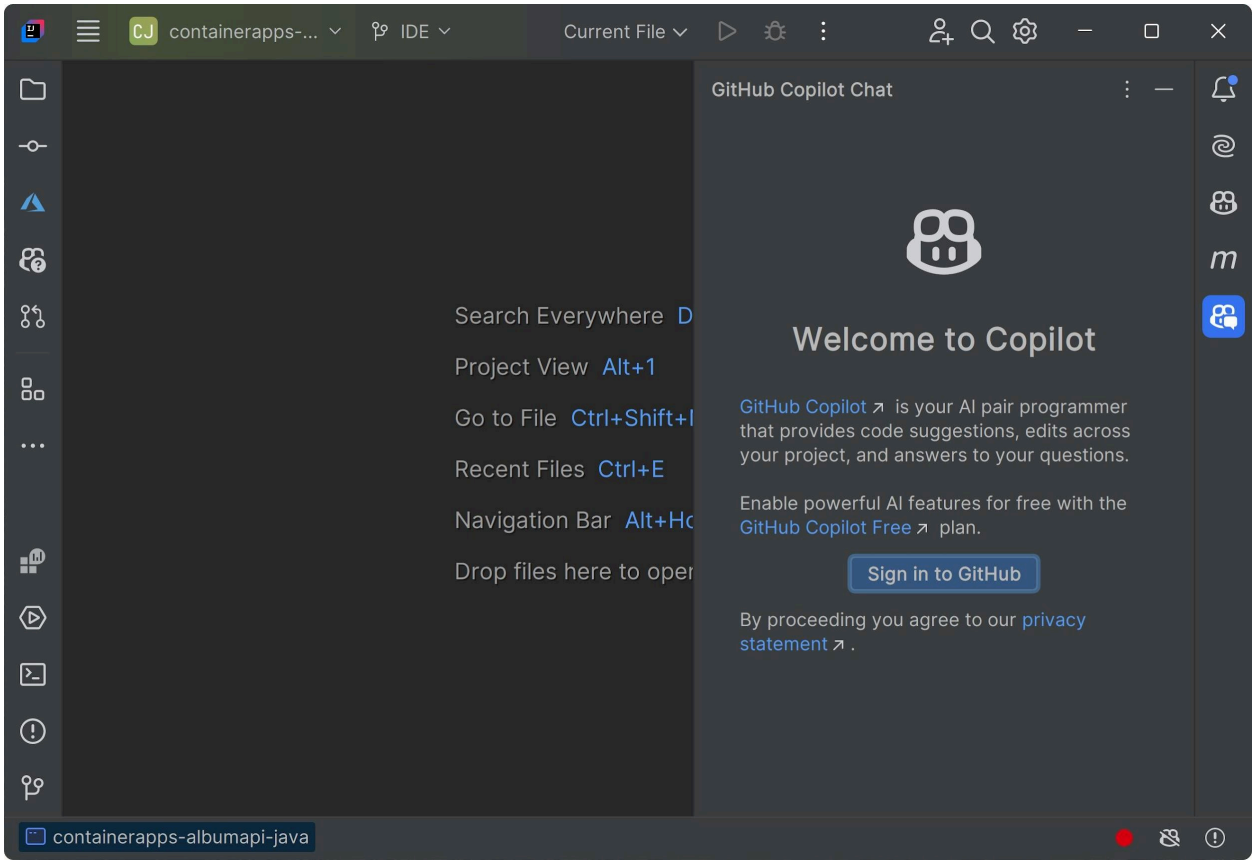
🤖 Open Copilot Chat

Look for the **Copilot/chat icon** in the Android Studio interface.


Chat
Copilot Edits
New Conversation
GitHub Copilot
Hi @JsonCorp, how can I help you?
I'm powered by AI, so surprises and mistakes are possible. Make sure to verify any generated code or suggestions, and share feedback so that we can learn and improve.
Share feedback
Ask Copilot a question or type '/' for commands
GPT-4o


File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
My Application
Add Configuration...
Pixel 3 - API 23
Android
loading...
GitHub Copilot Chat
GitHub Copilot
Hi @GitHub User, how can I help you?
I'm powered by AI, so surprises and mistakes are possible. Make sure to verify any generated code or suggestions, and share feedback so that we can learn and improve. Please note that I'm still in beta.
Search Everywhere Double Shift
Go to File Ctrl+Shift+N
Recent Files Ctrl+E
Navigation Bar Alt+Home
Drop files here to open them
Ask Copilot a question or type '/' fo
GitHub Copilot
Successfully logged in to GitHub for GitHub Copilot.
Sync is taking a significant amount of time to download dependencies.
Open Sync tool window for details
Version Control
TODO
Problems
Terminal
Services
App Quality Insights
App Inspection
Logcat
Build
Sync is taking a significant amount of time to download dependencies. // Open Sync tool window for details (moments ago)
Gradle: Download gradle-8.0-src.zip... (44.13 MB / 44.13 MB)
Show all (2)


Chat
Copilot Edits
NullPointerException 처리 방법
내가 뭘 하면 될까?
GitHub Copilot
4 steps completed successfully
PlaceholderFragment 클래스의 getFirstItem 메서드에서 mDataset이 null로 설정된 후 바로 접근하려고 해서 NullPointerException이 발생할 수 있습니다. 이를 수정하려면 mDataset이 null인지 확인하고, null이 아닌 경우에만 첫 번째 항목을 반환하도록 해야 합니다.
다음은 수정된 코드입니다:
public String getFirstItem() {
if (mDataset == null || mDataset.isEmpty()) {
return null; // 또는 적절한 기본값을 반환
}
return mDataset.get(0);
}
이렇게 하면 mDataset이 null이거나 비어 있을 때 NullPointerException이 발생하지 않도록 방지할 수 있습니다.
Using 4 References
이 메서드에서 다른 예외를 처리할 수 있는 방법은 무엇인가요?
내가 뭘 하면 될까?
GPT-4o



Click the icon to open the Copilot chat panel.

💡 Ask a question

Try:

> **How do I change the background color of my Android app to blue?**

Or:

> **Explain what this Kotlin code does.**

Or:

> **Why am I getting this error?**

GitHub's documentation gives examples of asking Copilot to explain files, improve code, and help with testing.

🟥 Step 5 — Have Copilot Explain Code

This is especially useful when you're learning programming.

🔍 Highlight some code

Select a section of Kotlin code that you don't understand.

Then use the Copilot context-menu option available in your installation, such as an **Explain** command.

You can also paste the code into Copilot Chat and ask:

Explain this code to me like I am a beginner.

🎓 Try these beginner questions

Question 1

What does this function do?

Question 2

Explain this code line by line.

Question 3

Why am I getting this error?

Question 4

Rewrite this code using simpler Kotlin.

Question 5

Show me how this code works with an example.

⭐ Your First Copilot Coding Challenge

Let's give your new AI sidekick a real assignment!

Ask Copilot:

Create a simple Android app screen with a blue background,
a title that says "My First AI App",
and a button that says "Click Me".
When the button is clicked, display "Hello World!"

Then ask:

Explain every part of the code you created.

Finally ask:

Show me how to change the blue background to green.

This turns Copilot from simply a **code generator** into a **programming tutor**. 🚀

🧠 Remember: AI Is Your Assistant, Not Your Replacement

A good way to think about GitHub Copilot is:

YOU 🧑‍💻
⬇️
Give the instructions
⬇️
COPILOT 🤖
⬇️
Suggests code
⬇️
YOU 🔍
⬇️
Review → Test → Learn

The goal isn't just to have Copilot write everything for you.

The goal is to use AI to **learn how software works while you build it.**

🏆 Quick Review

Before finishing, make sure you can:

- ✅ Open Android Studio
- ✅ Open Settings
- ✅ Find the Plugins Marketplace
- ✅ Install GitHub Copilot
- ✅ Restart Android Studio
- ✅ Sign in to GitHub
- ✅ Ask Copilot to generate Kotlin code
- ✅ Accept a suggestion
- ✅ Reject a suggestion
- ✅ Open Copilot Chat
- ✅ Ask Copilot to explain code
- ✅ Test AI-generated code

🚀 You're Ready!

You now have the basic skills to start using **AI-assisted programming in Android Studio**. As you become more comfortable, try asking Copilot to help you build buttons, menus, forms, calculators, games, image tools, and complete Android applications.

GitHub Copilot documentation

Android Studio documentation