物聯網實務 HW13

電機碩一 11278008 林佳慧

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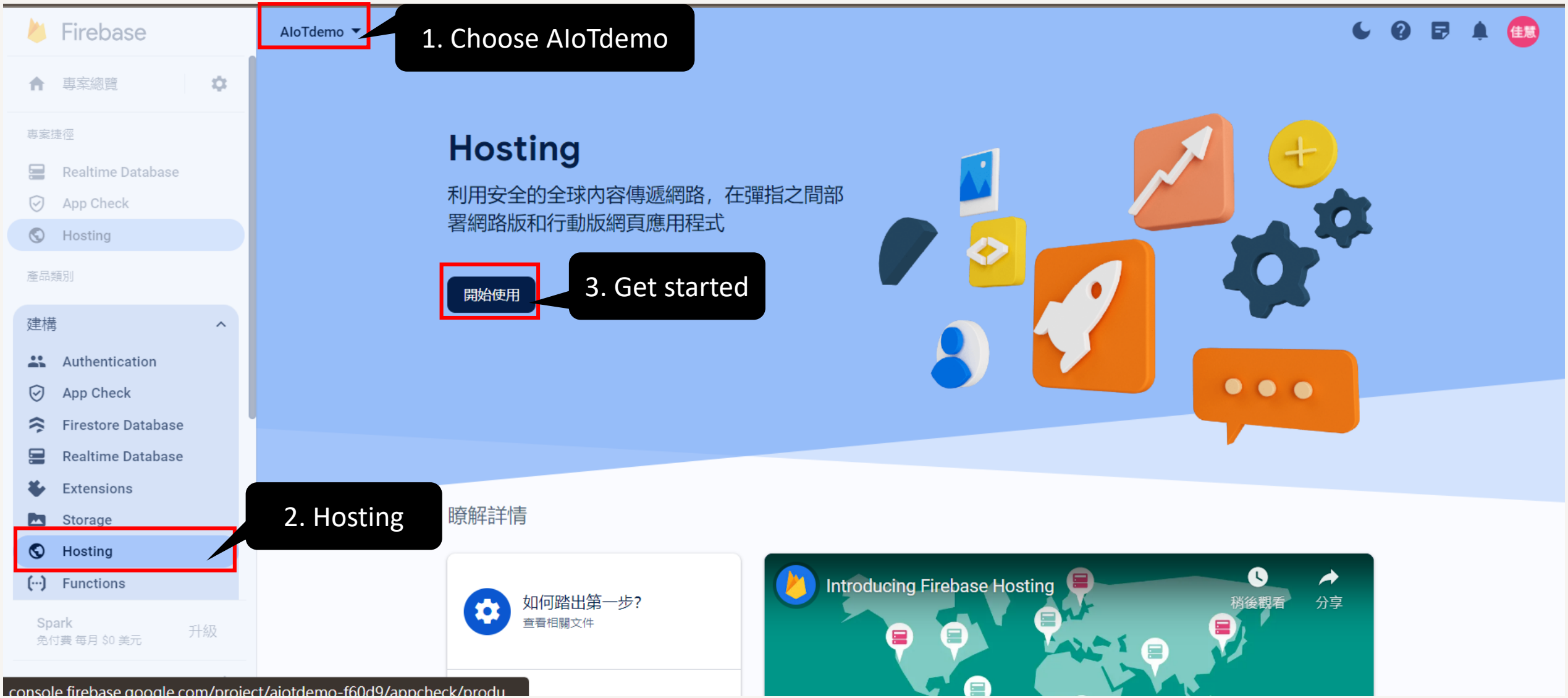
Homework 13-1

Deploy your code to firebase hosting

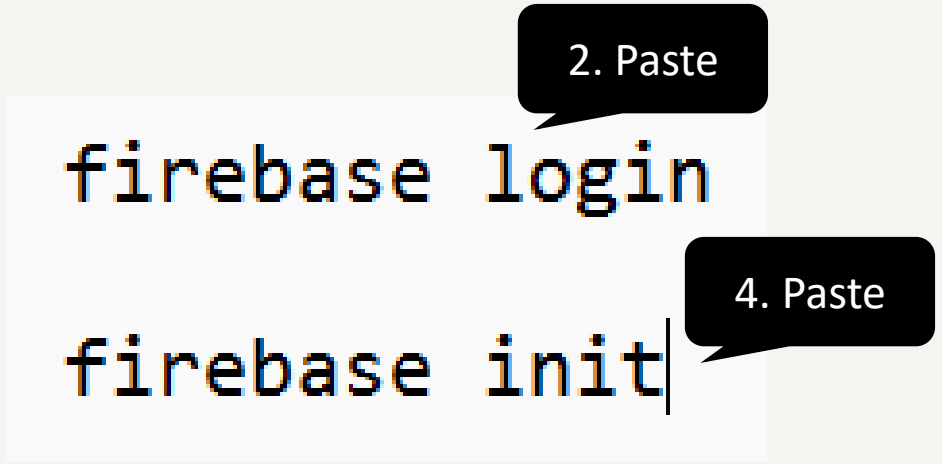
Choose AIoTdemo Project



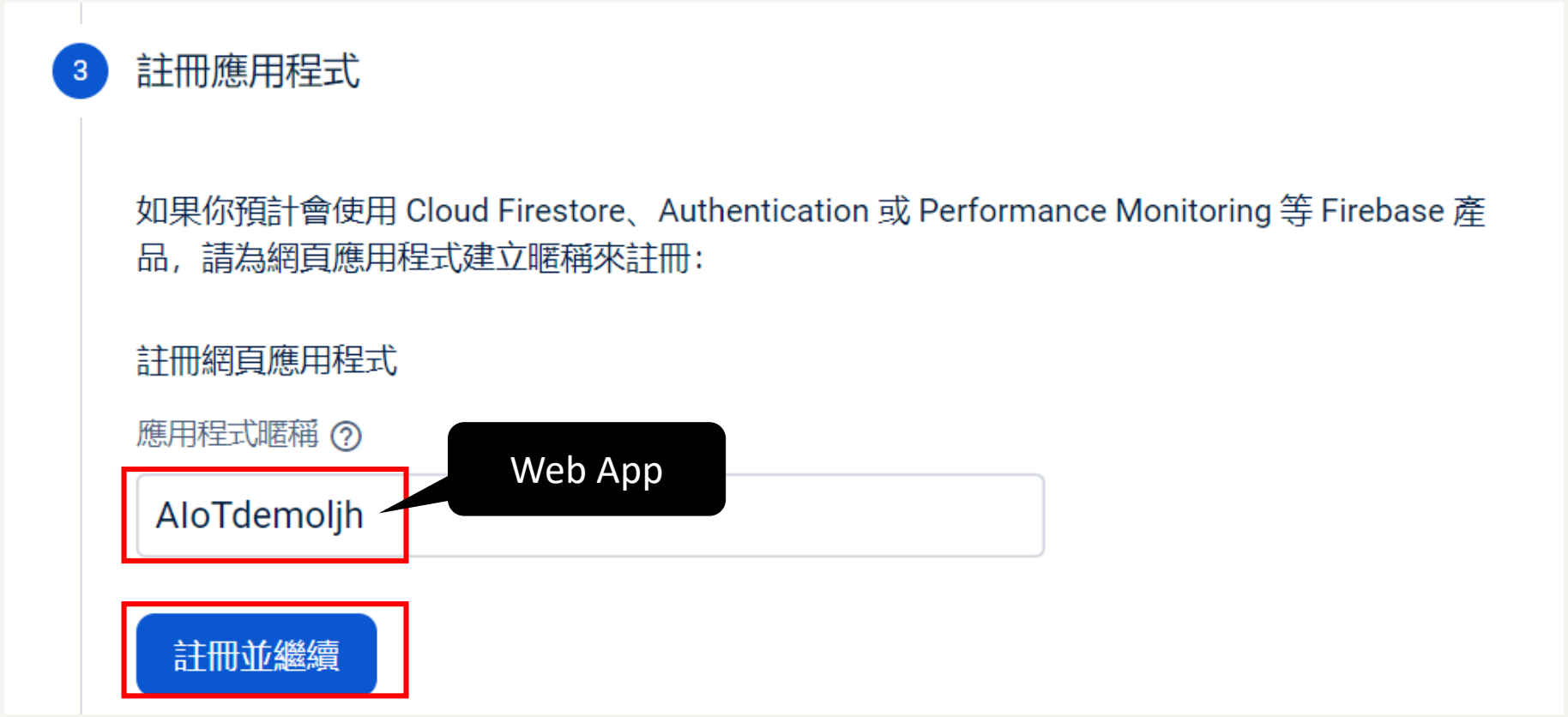
Set up Firebase Hosting

```
npm install -g firebase-tools
```

Set up Firebase Hosting



Set up Firebase Hosting



4 新增 Firebase SDK

使用 npm　使用 <script> 標記

如果不希望使用建構工具，你可以透過這個選項新增及使用 Firebase JS SDK。使用這個選項即可輕鬆展開作業，但不建議用於已正式推出的應用程式。瞭解詳情。

使用任何 Firebase 服務之前，請先複製這些指令碼並貼到 <body> 標記的最下方：

```
<script type="module">
  // Import the functions you need from the SDKs you need
  import { initializeApp } from "https://www.gstatic.com/firebasejs/10.7.1/fire
  import { getAnalytics } from "https://www.gstatic.com/firebasejs/10.7.1/fireb
  // TODO: Add SDKs for Firebase products that you want to use
  // https://firebase.google.com/docs/web/setup#available-libraries

  // Your web app's Firebase configuration
  // For Firebase JS SDK v7.20.0 and later, measurementId is optional
```

```
  // Initialize Firebase
  const app = initializeApp(firebaseConfig);
  const analytics = getAnalytics(app);
</script>
```

1. Copy

你使用的是 npm，以及 webpack 或 Rollup 這類整合工具嗎？查看模組 SDK。

如要進一步瞭解適用於網頁應用程式的 Firebase，請查看下列資源：開始使用、Web SDK API 參考資料、使用範例

3

下一步

2. Paste

```
<script type="module">
  // Import the functions you need from the SDKs you need
  import { initializeApp } from "https://www.gstatic.com/firebasejs/10.7.1/firebase-app.js";
  import { getAnalytics } from "https://www.gstatic.com/firebasejs/10.7.1/firebase-analytics.js";
  // TODO: Add SDKs for Firebase products that you want to use
  // https://firebase.google.com/docs/web/setup#available-libraries

  // Your web app's Firebase configuration
  // For Firebase JS SDK v7.20.0 and later, measurementId is optional

  // Initialize Firebase
  const app = initializeApp(firebaseConfig);
  const analytics = getAnalytics(app);
</script>
```

2. Paste

```
firebase deploy
```

5 部署至 Firebase 託管

準備就緒後，即可部署網頁應用程式
將 HTML、CSS 和 JS 等靜態檔案加入應用程式的部署目錄 (預設為「公開」)。接著，從應用程式的根目錄執行下列指令：

```
$ firebase deploy
```

1. Copy

部署完成之後，請前往「aiotdemo-f60d9.web.app」查看應用程式
需要協助嗎？您可以參閱代管說明文件

3

前往控制台

Open the Web App

Web App

Site Not Found

Why am I seeing this?

There are a few potential reasons:

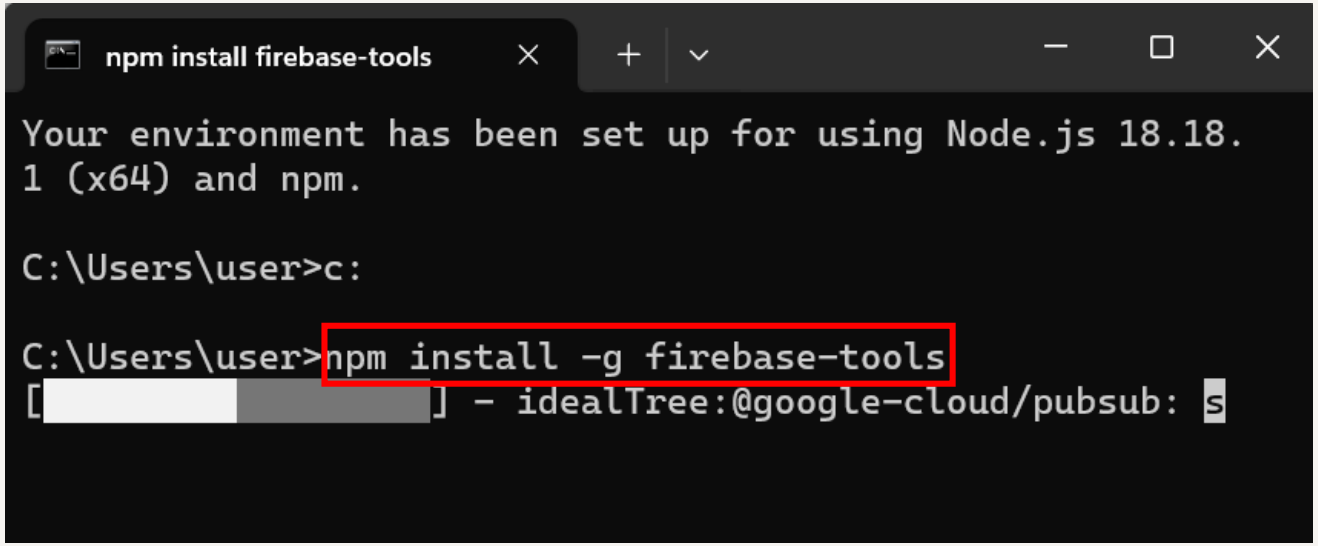
1. You haven't deployed an app yet.
2. You may have deployed an empty directory.
3. This is a custom domain, but we haven't finished setting it up yet.

How can I deploy my first app?

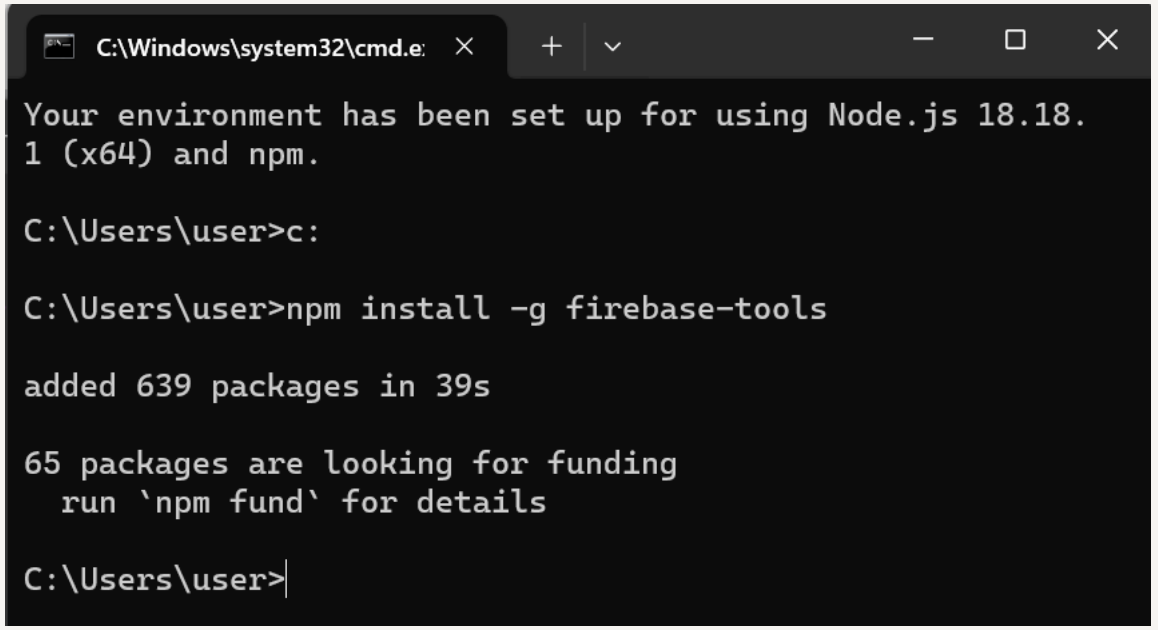
Refer to our hosting documentation to get started.

Node.js command

1. npm install -g firebase-tools

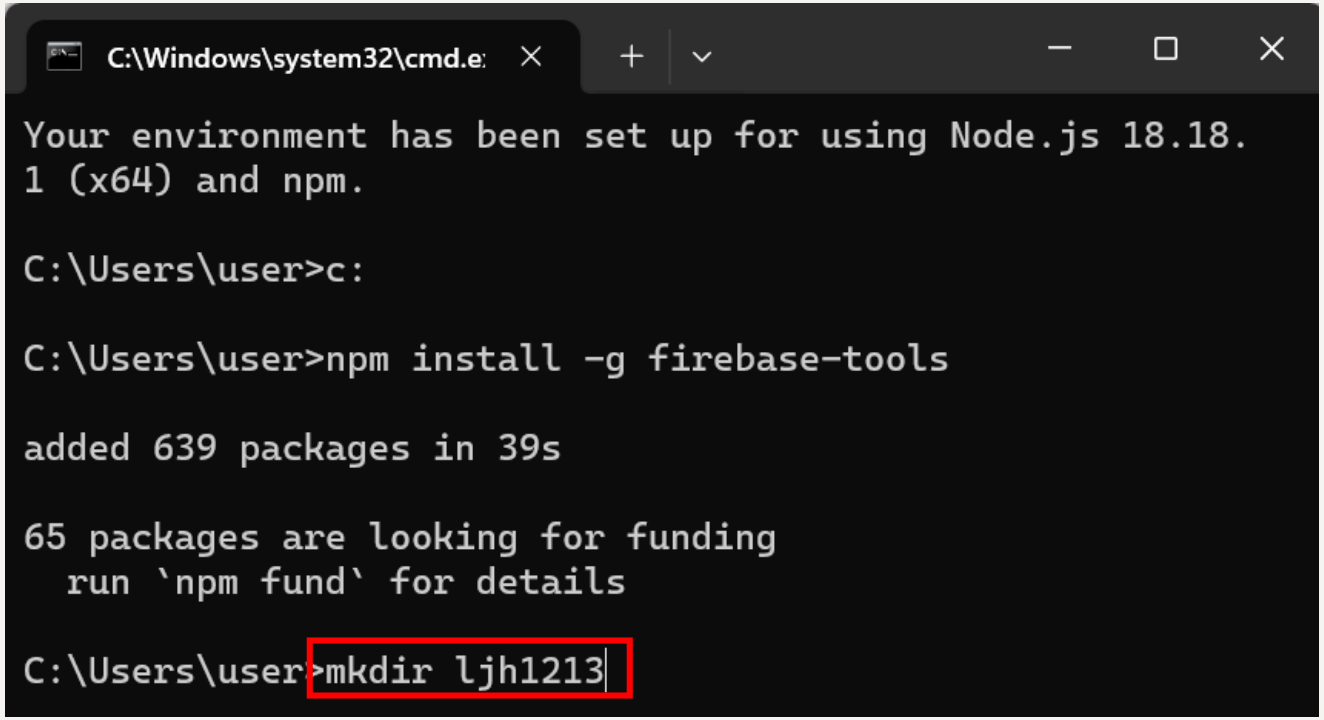


2. Install finished

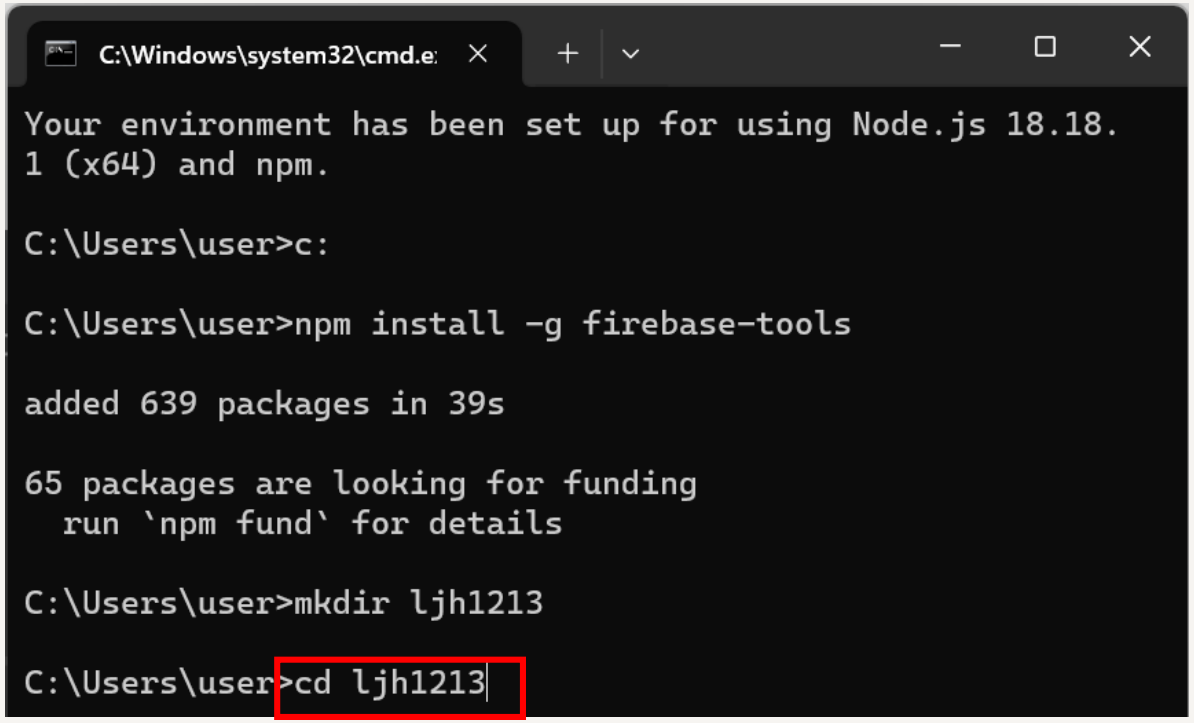


Node.js command

3. Use “mkdir” to new a folder

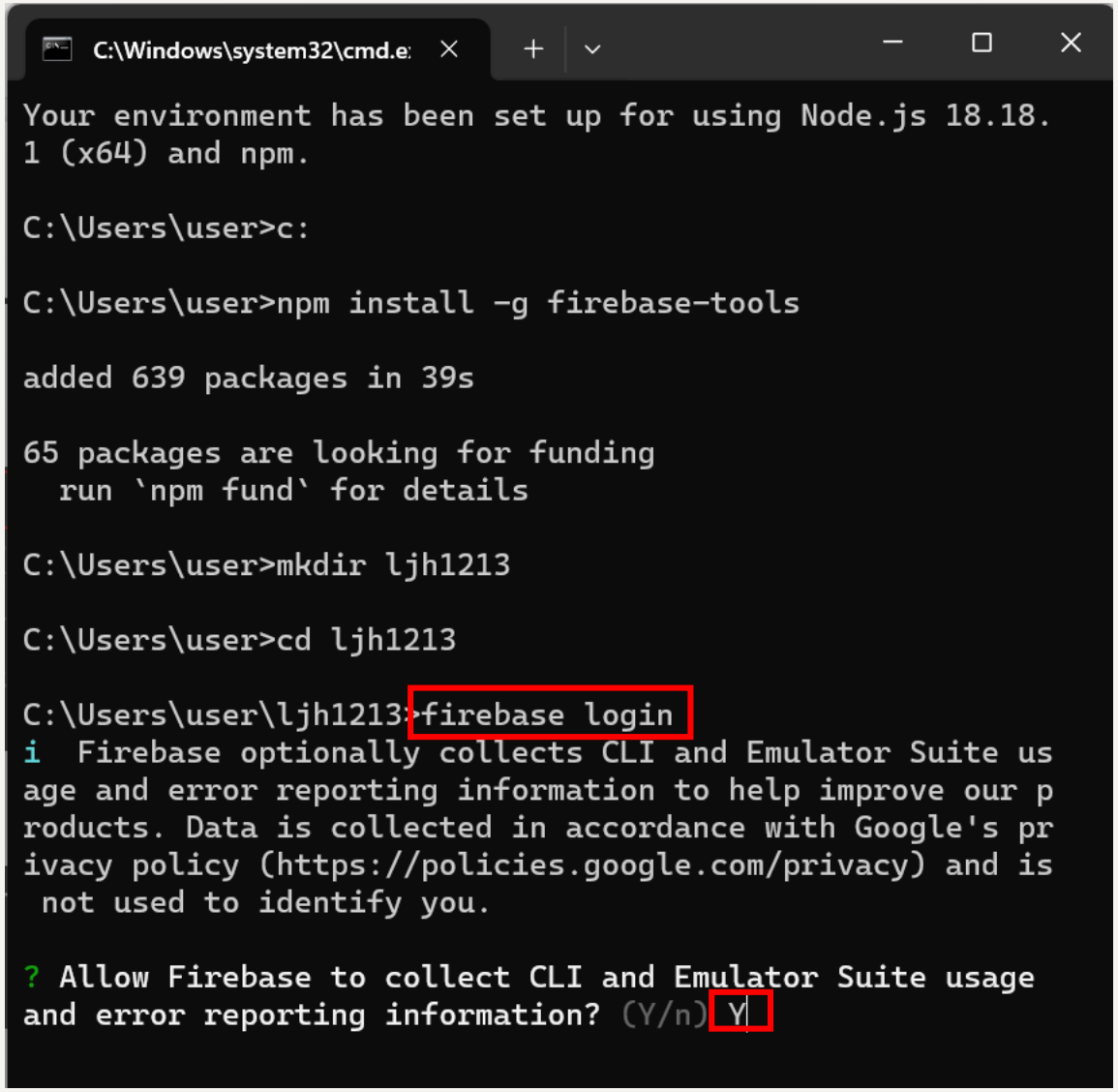


4. Use “cd” to go to the folder



Node.js command

5. Firebase login



「Firebase CLI」想要存取您的 Google 帳戶

lindahui0204@gmail.com

這麼做將允許「Firebase CLI」進行以下操作：

- 查看、編輯、設定和刪除您的 Google Cloud 資料，以及查看您 Google 帳戶的電子郵件地址。
- 查看及管理您的所有 Firebase 資料和設定
- 查看您的 Cloud Platform 專案

確認「Firebase CLI」是您信任的應用程式

這麼做可能會將機密資訊提供給這個網站或應用程式。您隨時可以前往 Google 帳戶頁面查看或移除存取權。

瞭解 Google 如何協助您安全地分享資料。

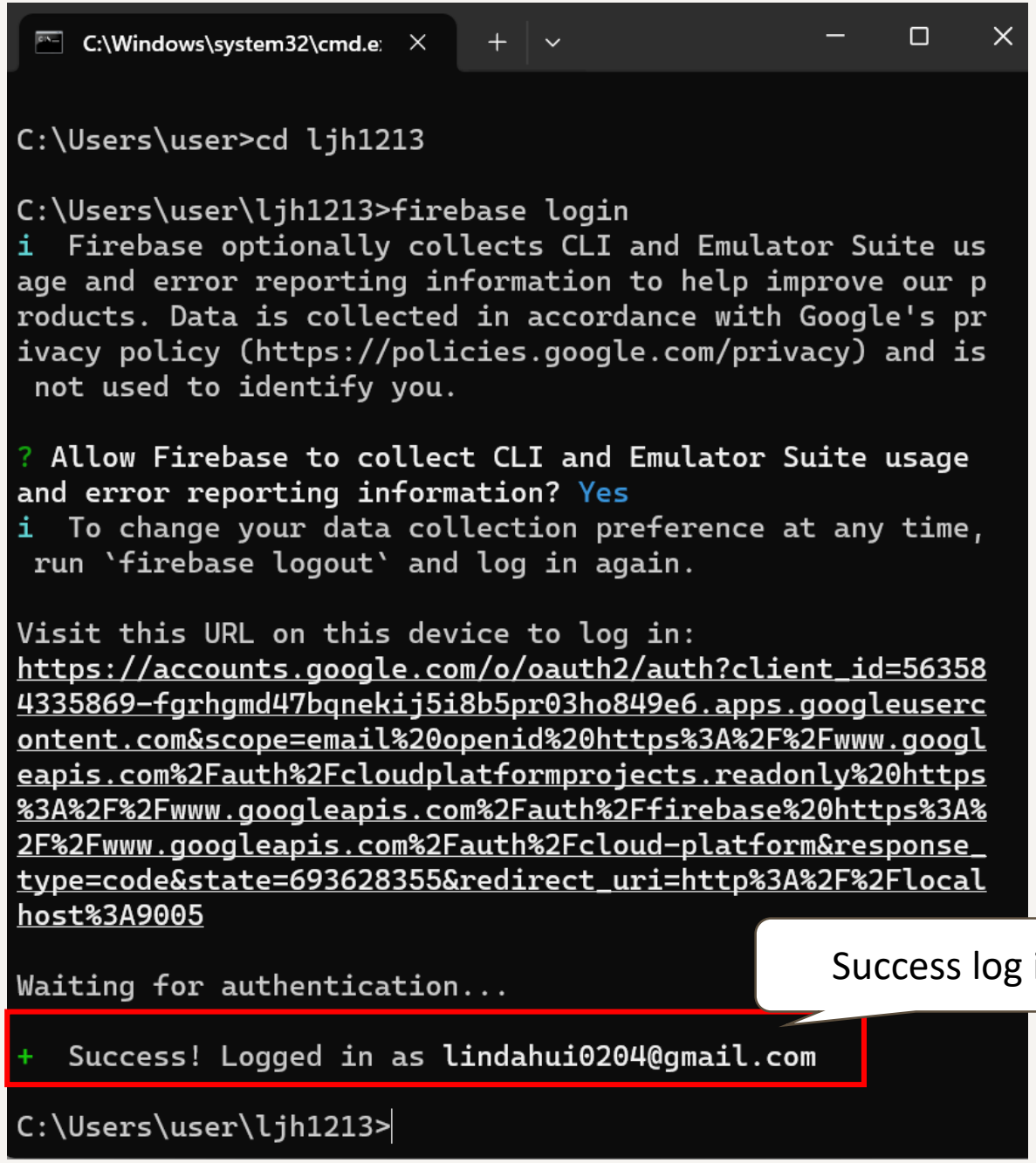
詳情請參閱「Firebase CLI」的《隱私權政策》和《服務條款》。

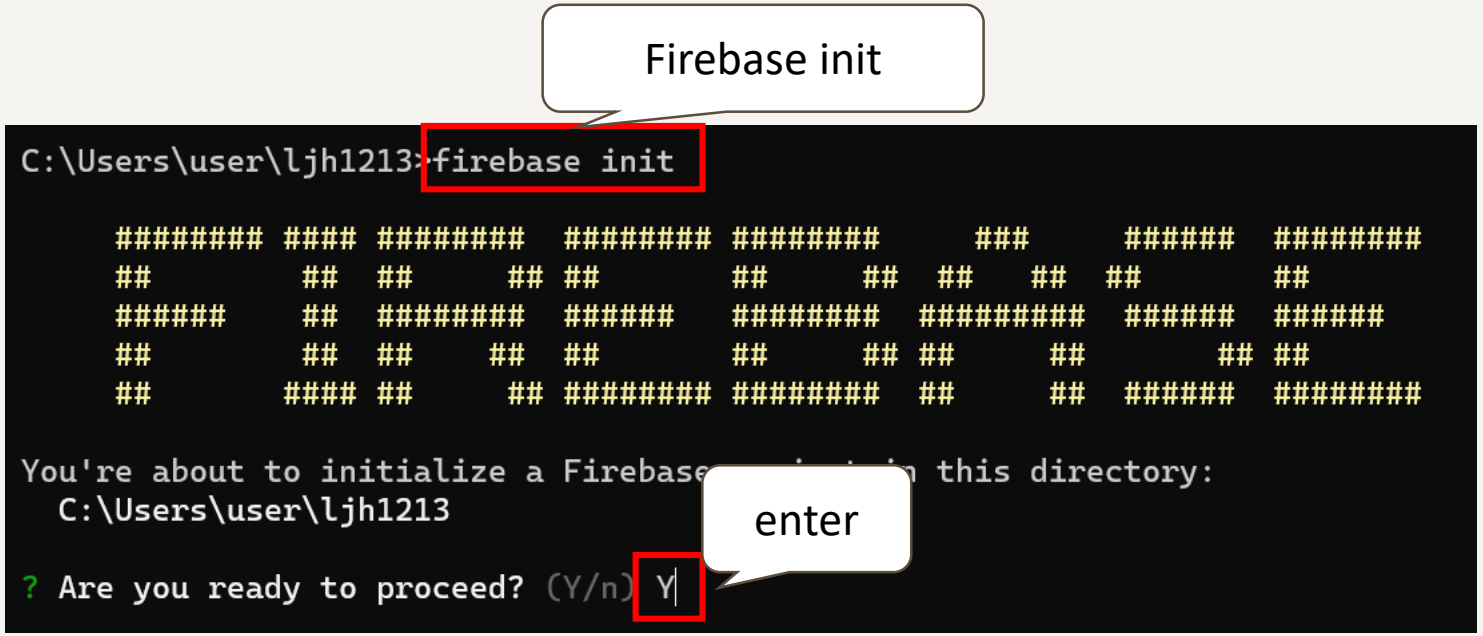
取消　允許

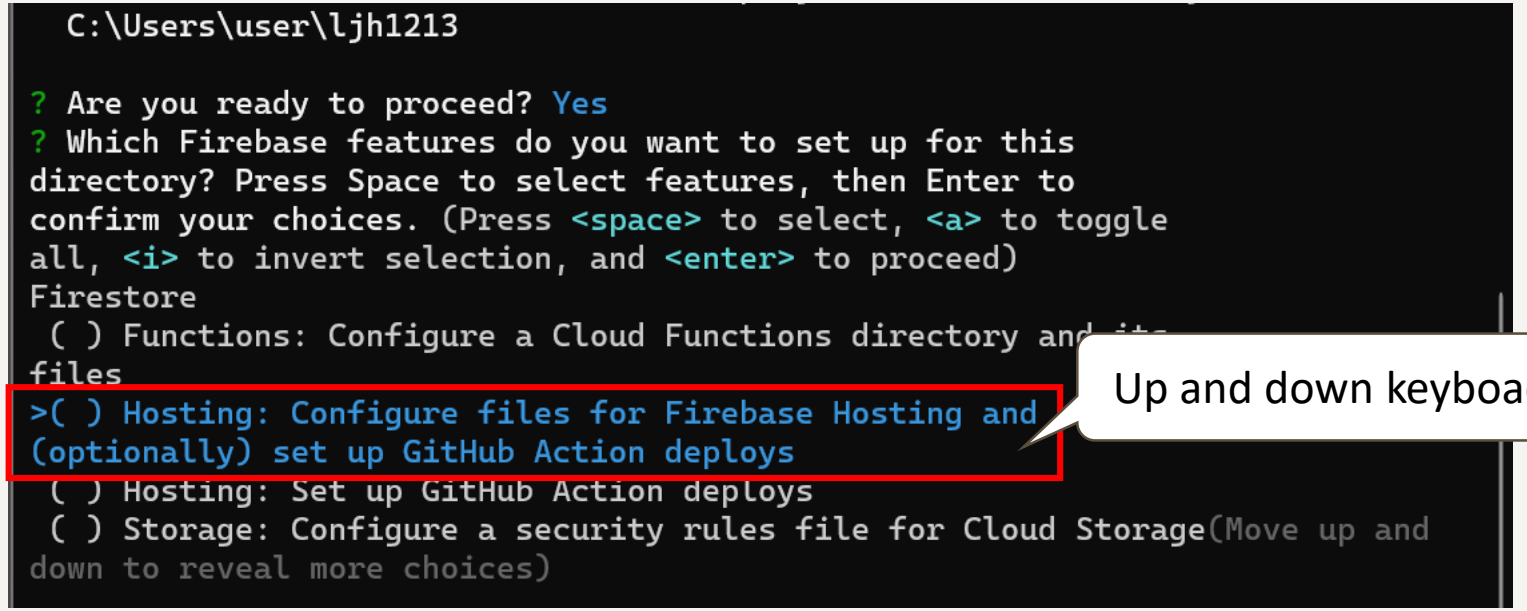
Woohoo!

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.


C:\Windows\system32\cmd.e
C:\Users\user>cd ljh1213
C:\Users\user\ljh1213>firebase login
i Firebase optionally collects CLI and Emulator Suite usage and error reporting information to help improve our products. Data is collected in accordance with Google's privacy policy (https://policies.google.com/privacy) and is not used to identify you.
? Allow Firebase to collect CLI and Emulator Suite usage and error reporting information? Yes
i To change your data collection preference at any time, run `firebase logout` and log in again.
Visit this URL on this device to log in:
https://accounts.google.com/o/oauth2/auth?client_id=563584335869-fgrhgmd47bqnekij5i8b5pr03ho849e6.apps.googleusercontent.com&scope=email%20openid%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloudplatformprojects.readonly%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Ffirebase%20https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform&response_type=code&state=693628355&redirect_uri=http%3A%2F%2Flocalhost%3A9005
Waiting for authentication...
+ Success! Logged in as lindahui0204@gmail.com
C:\Users\user\ljh1213>
Success log in


Firebase init
C:\Users\user\ljh1213>firebase init
You're about to initialize a Firebase
this directory:
C:\Users\user\ljh1213
enter
? Are you ready to proceed? (Y/n) Y


C:\Users\user\ljh1213
? Are you ready to proceed? Yes
? Which Firebase features do you want to set up for this directory? Press Space to select features, then Enter to confirm your choices. (Press <space> to select, <a> to toggle all, <i> to invert selection, and <enter> to proceed)
Firestore
( ) Functions: Configure a Cloud Functions directory and its files
>( ) Hosting: Configure files for Firebase Hosting and (optionally) set up GitHub Action deploys
( ) Hosting: Set up GitHub Action deploys
( ) Storage: Configure a security rules file for Cloud Storage(Move up and down to reveal more choices)
Up and down keyboads

```
You're about to initialize a Firebase project in this directory:
  C:\Users\user\ljh1213

? Are you ready to proceed? Yes
? Which Firebase features do you want to set up for this directory? Press
Space to select features, then Enter to confirm your choices. (Press <space>
 to select, <a> to toggle all, <i> to invert selection, and <enter> to
proceed)
Database and (optionally) provision default instance
 ( ) Firestore: Configure security rules and indexes files for Firestore
 ( ) Functions: Configure a Cloud Functions directory and its files
>(*) Hosting: Configure files for Firebase Hosting and (optionally) set up
GitHub Action deploys
 ( ) Hosting: Set up GitHub Action deploys
 ( ) Storage: Configure a security rules file for Cloud Storage
(Move up and down to reveal more choices)
```

1. “space” keyboard

2. “enter” keyboard

```
  C:\Users\user\ljh1213

? Are you ready to proceed? Yes
? Which Firebase features do you want to set up for this directory? Press
Space to select features, then Enter to confirm your choices. Hosting:
Configure files for Firebase Hosting and (optionally) set up GitHub Action
deploys

=== Project Setup

First, let's associate this project directory with a Firebase project.
You can create multiple project aliases by running firebase use --add,
but for now we'll just set up a default project.

? Please select an option: (Use arrow keys)
> Use an existing project
  Create a new project
  Add Firebase to an existing Google Cloud Platform project
  Don't set up a default project
```

enter

```
You're about to initialize a Firebase project in this directory:
  C:\Users\user\ljh1213

? Are you ready to proceed? Yes
? Which Firebase features do you want to set up for this directory? Press
Space to select features, then Enter to confirm your choices. Hosting:
Configure files for Firebase Hosting and (optionally) set up GitHub Action
deploys

=== Project Setup

First, let's associate this project directory with a Firebase project.
You can create multiple project aliases by running firebase use --add,
but for now we'll just set up a default project.

? Please select an option: Use an existing project
? Select a default Firebase project for this directory: (Use arrow keys)
> aiotdemo-f60d9 (AIoTdemo)
  totoras-57d56 (totoras)
```

enter

```
? Please select an option: Use an existing project
? Select a default Firebase project for this directory: aiotdemo-f60d
9
(AIoTdemo)
i  Using project aiotdemo-f60d9 (AIoTdemo)

=== Hosting Setup

Your public directory is the folder (relative to your project directo
ry) that
will contain Hosting assets to be uploaded with firebase deploy. If y
ou
have a build process for your assets, use your build's output directo
ry.

? What do you want to use as your public directory? (public)
```

enter

```
? Please select an option: Use an existing project
? Select a default Firebase project for this directory: aiotdemo
-f60d9
(AIoTdemo)
i  Using project aiotdemo-f60d9 (AIoTdemo)

=== Hosting Setup

Your public directory is the folder (relative to your project di
rectory) that
will contain Hosting assets to be uploaded with firebase deploy.
 If you
have a build process for your assets, use your build's output di
rectory.

? What do you want to use as your public directory? public
? Configure as a single-page app (rewrite all urls to /index.htm
? Configure as a single-page app (rewrite all urls to
/index.html)? (y/N) N
```

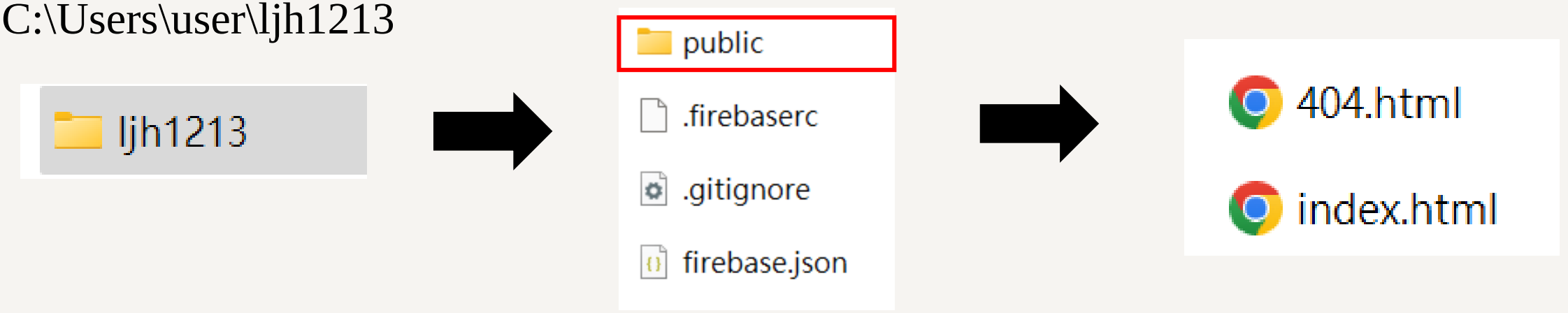
enter

```
=== Hosting Setup

Your public directory is the folder (relative to your project di
rectory) that
will contain Hosting assets to be uploaded with firebase deploy.
 If you
have a build process for your assets, use your build's output di
rectory.

? What do you want to use as your public directory? public
? Configure as a single-page app (rewrite all urls to /index.htm
? Configure as a single-page app (rewrite all urls to
/index.html)? No
? Set up automatic builds and deploys with GitHub? (y/N) N
```

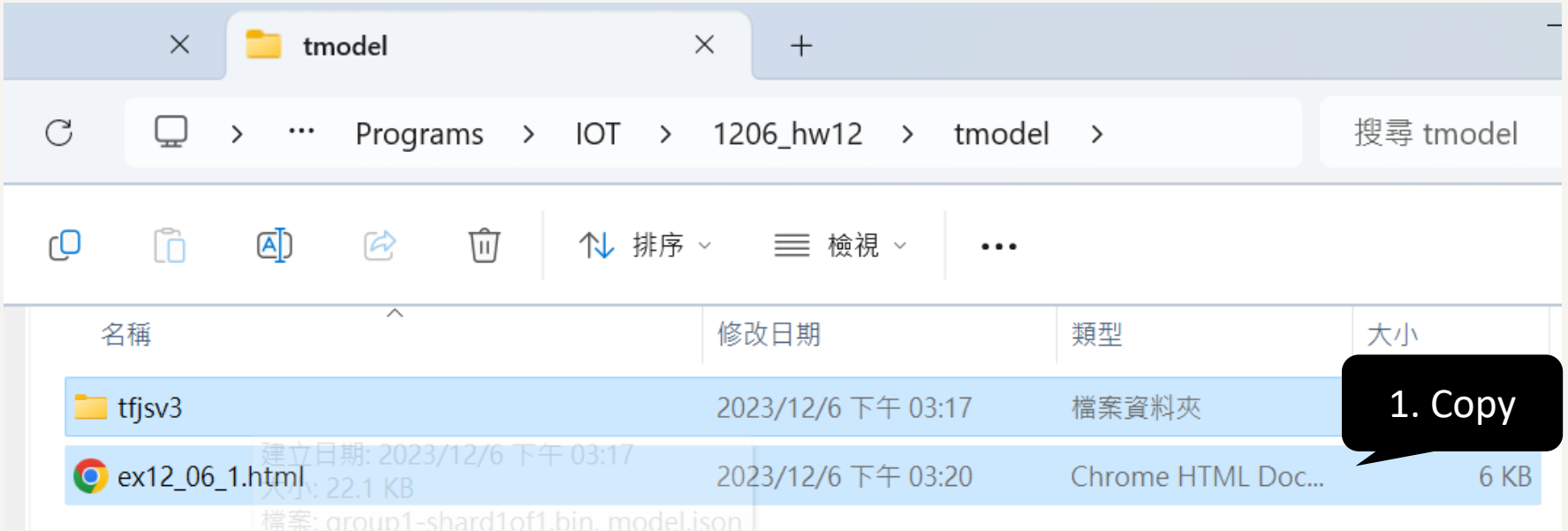
enter

```
=== Hosting Setup

Your public directory is the folder (relative to your project di
rectory) that
will contain Hosting assets to be uploaded with firebase deploy.
 If you
have a build process for your assets, use your build's output di
rectory.

? What do you want to use as your public directory? public
? Configure as a single-page app (rewrite all urls to /index.htm
? Configure as a single-page app (rewrite all urls to
/index.html)? No
? Set up automatic builds and deploys with GitHub? No
+  Wrote public/404.html
+  Wrote public/index.html

i  Writing configuration info to firebase.json...
i  Writing project information to .firebaserc...
i  Writing gitignore file to .gitignore...

+  Firebase initialization complete!

C:\Users\user\ljh1213>
```

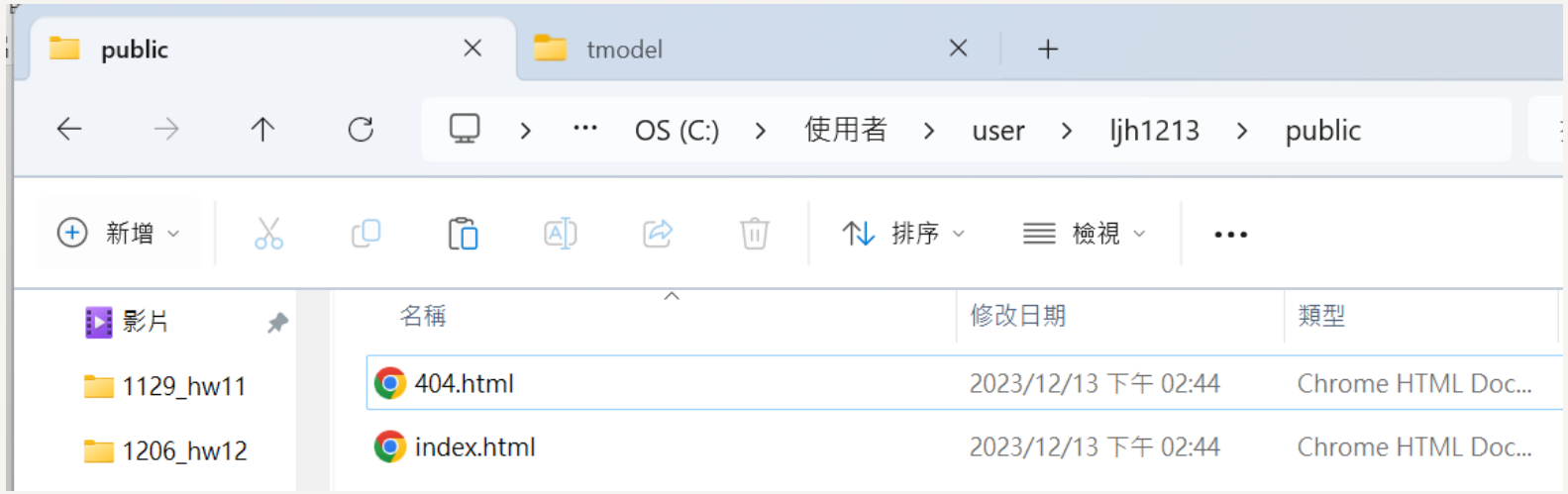
1. C:\Users\user\ljh1213

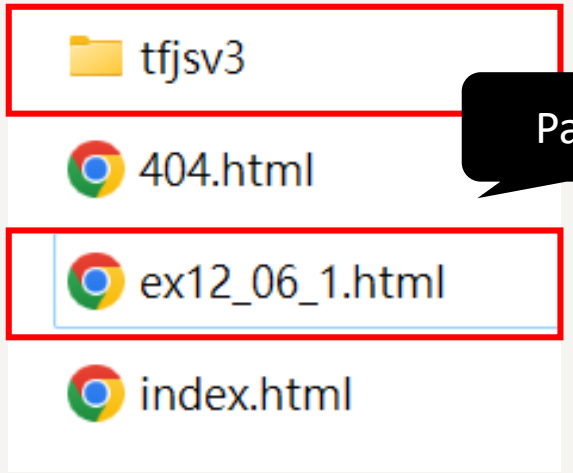


2. C:\Programs\IOT\1206_hw12\tmodel

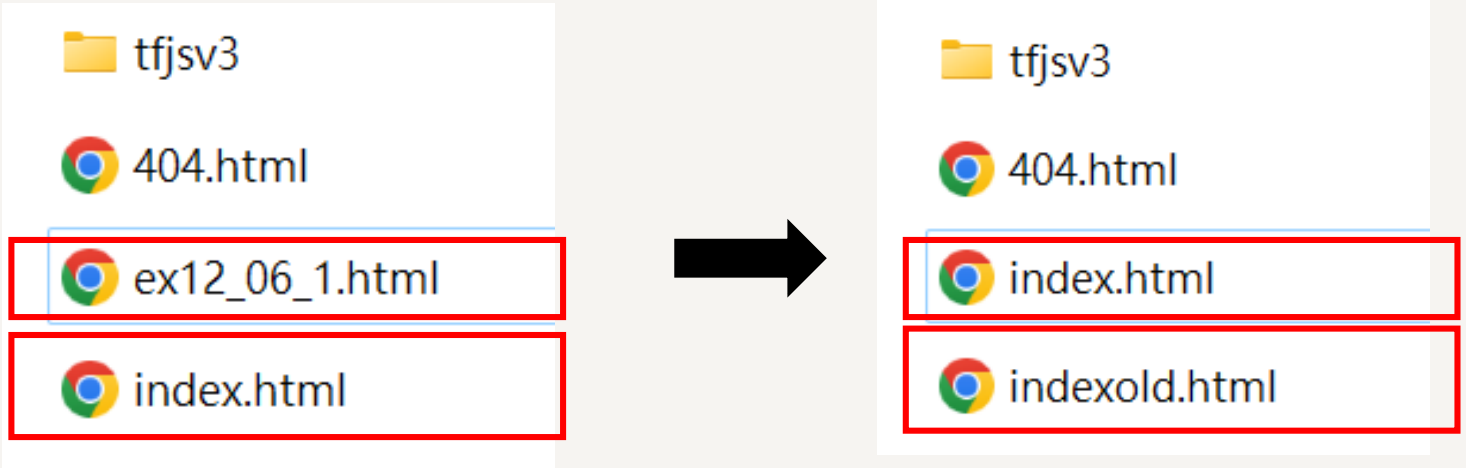


3. Paste to the C:\Users\user\ljh1213\public





4. Rename files



Firebase deploy

```
C:\Users\user\ljh1213>firebase deploy
```

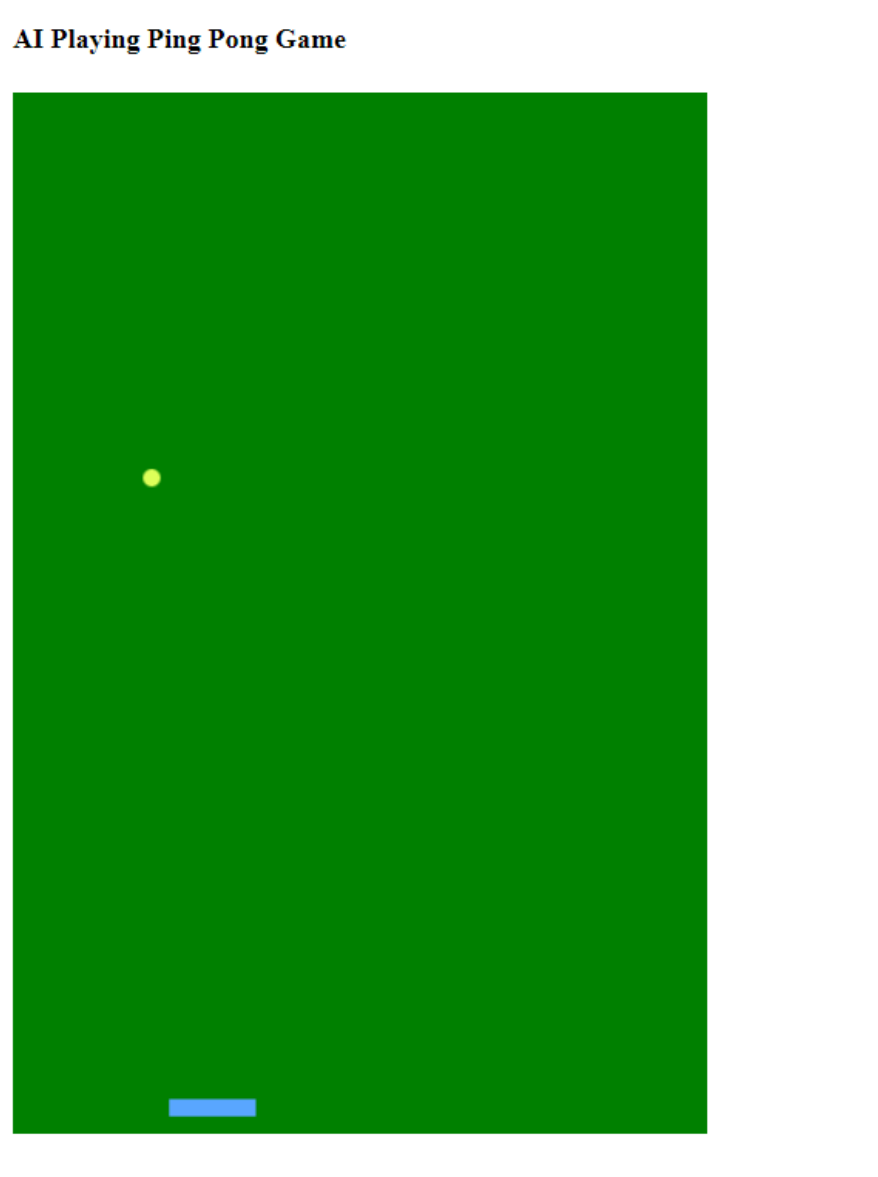
Deploy complete

```
C:\Users\user\ljh1213>firebase deploy

=== Deploying to 'aiotdemo-f60d9'...

i  deploying hosting
i  hosting[aiotdemo-f60d9]: beginning deploy...
i  hosting[aiotdemo-f60d9]: found 5 files in public
+  hosting[aiotdemo-f60d9]: file upload complete
i  hosting[aiotdemo-f60d9]: finalizing version...
+  hosting[aiotdemo-f60d9]: version finalized
i  hosting[aiotdemo-f60d9]: releasing new version...
+  hosting[aiotdemo-f60d9]: release complete

+  Deploy complete!

Project Console: https://console.firebase.google.com/project/aio
tdemo-f60d9/overview
Hosting URL: https://aiotdemo-f60d9.web.app

C:\Users\user\ljh1213>
```

Open Web App

Hosting
管理網站
資訊主頁
用量
舊有版本
正在等待你建立第一個版本
操作說明
網域
aiotdemo-f60d9.web.app
預設
aiotdemo-f60d9.firebaseapp.com
預設
新增自訂網域
查看全部 2 個網域

Result



https://aiotdemo-f60d9.web.app/