⚙ Setup

C Lab Session#1

Lab Session   Programming

🗔 Browser tabs

To create a new tab in any browser: Ctrl+T

browser   Ctrl+T

Login to GitHub

https://github.com
If you have forgot password, reset the password.

🔑 SSH Keys in GitHub

Github —> Settings —> SSH Keys

Github → Settings → SSH Keys

Coding Environment

https://cs50.dev
Login using GitHub account and Authorise

GitHub   Authorise

>_ Terminal

Commands
1. **ssh-keygen**
1. type enter 3 times
1. to generate ssh keys
2. **cat ~/.ssh/id_rsa.pub**
   to display the ssh key
3. select the key and copy
   Ctrl + Shift + C
4. add to GitHub SSH keys
   paste it and save as "cs50 dev"
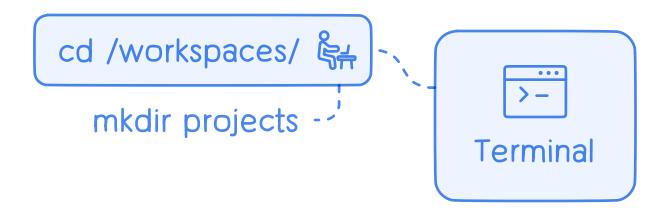
5. **ssh -T git@ssh.github.com -p 443**
   type "yes"
   to verify the trust establishment is successful

Generate SSH keys — **Display SSH key** — **Copy SSH key** — **Add SSH key to GitHub** — **Verify trust establishment**

Projects folder

In Terminal
cd /workspaces/
mkdir projects

cd /workspaces/

mkdir projects

Terminal

Menu —> File —> Open folder —> select projects —> click OK
The coding environment reloads...

Menu → File → Open folder → Select projects → Click OK → Coding environment reloads

Write a C program

Hover the mouse to see options to 'create file', 'create folder'...
click on 'create file' icon.
name the files as 'ecea.c'
use the following sample code

Hover mouse → See options → Click create file → Name file ecea.c → Use sample code

```
#include <stdio.h>
int main()
{
    return 0;
}
```

Compile and Run C program

In Terminal
clang ecea.c
above command compiles and displays errors if any
./a.out
above command runs the program

clang ecea.c

In Terminal

./a.out

compile and displays
errors if any

run the program

🦆 Duck

Ask a question related to programming, it will answer like ChatGPT.

ChatGPT   question