Nama   : I Gede Ardhiyana Permana
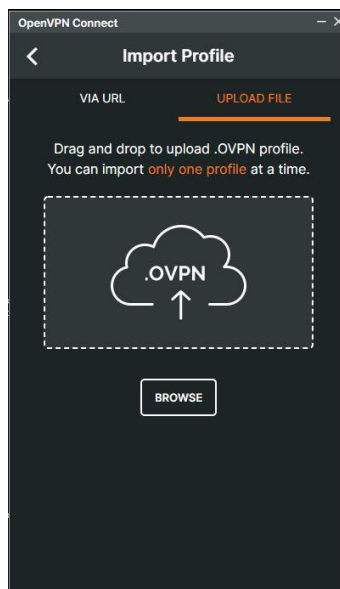
NIM   : 2205551024

Mata Kuliah : Pemrograman Internet D
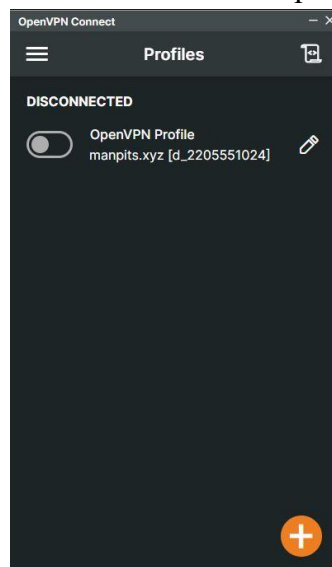
Tugas 1

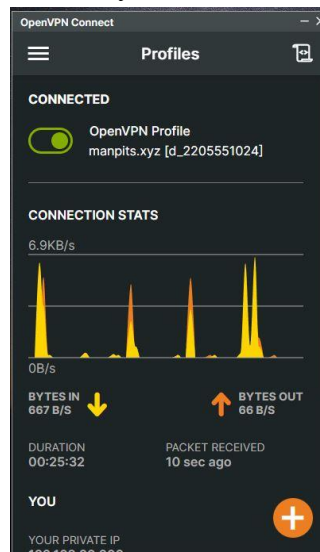A. Akses ke VPN
   1. Download aplikasi OpenVPN sesuai dengan OS di https://openvpn.net/client/
   2. Download kredensial sesuai kelas dan NIM di http://manpits.xyz:1200/d/XXXXXXXXXX.ovpn (X sesuai dengan NIM)
   3. Buka halaman aplikasi openvpn lalu klik tambah dan masukkan kredensial

   4. Jika sudah muncul halam di bawah silakan konek ke vps

5. Jika sudah seperti gambar dibawah, artinya sudah konek ke vps

B. Melakukan autentikasi ke github

```
C:\WINDOWS\system32\cmd.exe

HELP TOPICS
  actions:      Learn about working with GitHub Actions
  environment:  Environment variables that can be used with gh
  exit-codes:   Exit codes used by gh
  formatting:   Formatting options for JSON data exported from gh
  mintty:       Information about using gh with MinTTY
  reference:    A comprehensive reference of all gh commands

FLAGS
  --help     Show help for command
  --version  Show gh version

EXAMPLES
  $ gh issue create
  $ gh repo clone cli/cli
  $ gh pr checkout 321

LEARN MORE
  Use 'gh <command> <subcommand> --help' for more information about a command.
  Read the manual at https://cli.github.com/manual


C:\Users\HP>gh auth
Authenticate gh and git with GitHub

USAGE
  gh auth <command> [flags]

AVAILABLE COMMANDS
  login:       Authenticate with a GitHub host
  logout:      Log out of a GitHub host
  refresh:     Refresh stored authentication credentials
  setup-git:   Setup git with GitHub CLI
  status:      View authentication status
  token:       Print the auth token gh is configured to use

INHERITED FLAGS
  --help   Show help for command

LEARN MORE
  Use 'gh <command> <subcommand> --help' for more information about a command.
  Read the manual at https://cli.github.com/manual
```

```
C:\WINDOWS\system32\cmd.exe

C:\Users\HP>gh auth login
? What account do you want to log into? GitHub.com
? What is your preferred protocol for Git operations? HTTPS
? Authenticate Git with your GitHub credentials? Yes
? How would you like to authenticate GitHub CLI? Login with a web browser

! First copy your one-time code: 7C17-E0B6
Press Enter to open github.com in your browser...
✓ Authentication complete.
- gh config set -h github.com git_protocol https
✓ Configured git protocol
✓ Logged in as ardhi024


C:\Users\HP>
C:\Users\HP>
```
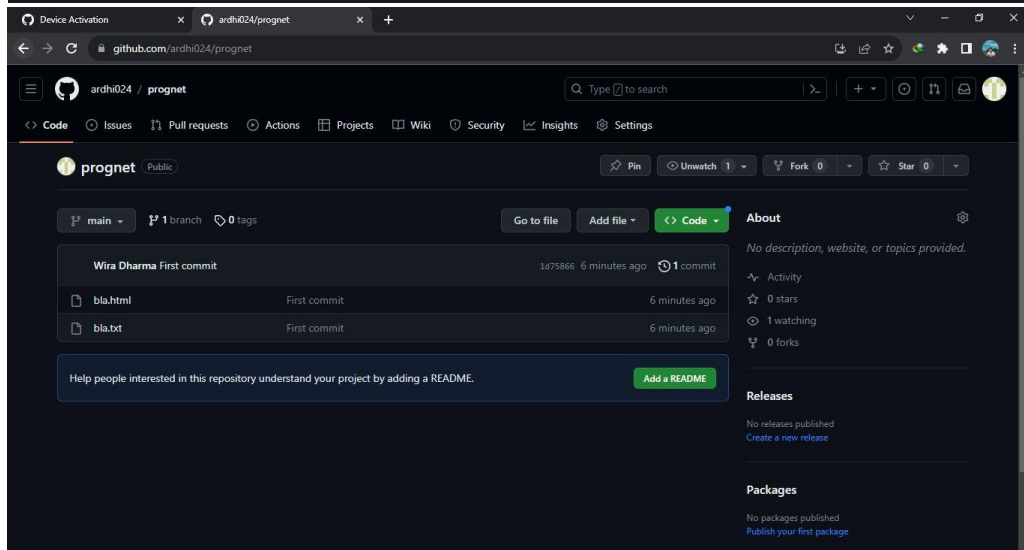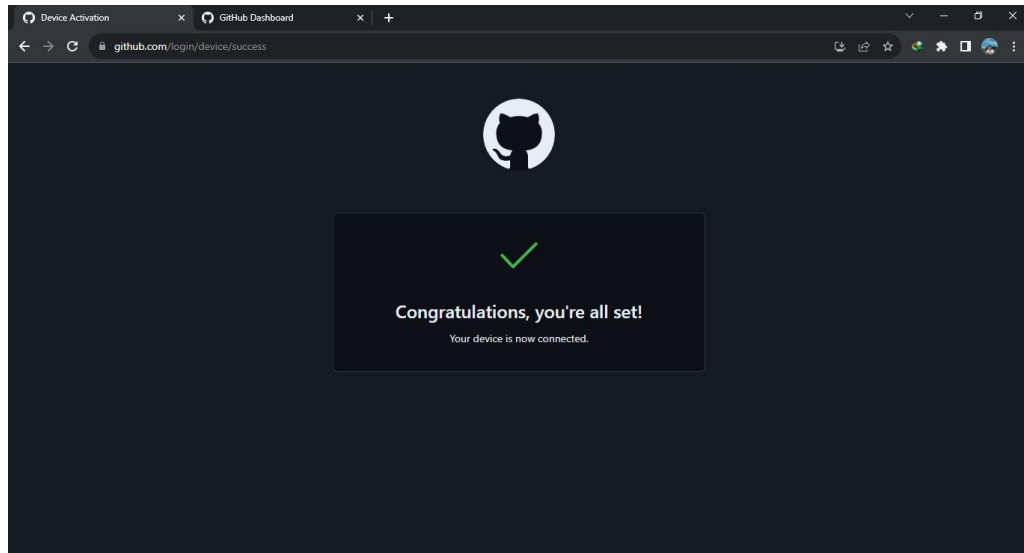
C. Melakukan Push ke Github


```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\HP\Downloads\belajar> git init
Initialized empty Git repository in C:/Users/HP/Downloads/belajar/.git/
PS C:\Users\HP\Downloads\belajar> git add .
PS C:\Users\HP\Downloads\belajar> git commit -m "First commit"
[master (root-commit) 1d75866] First commit
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 bla.html
 create mode 100644 bla.txt
PS C:\Users\HP\Downloads\belajar> git branch -M main
PS C:\Users\HP\Downloads\belajar> git remote add origin https://github.com/ardhi024/prognet.git
PS C:\Users\HP\Downloads\belajar> git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 220 bytes | 110.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ardhi024/prognet.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
PS C:\Users\HP\Downloads\belajar>
```



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\HP\Downloads\belajar> git init
Reinitialized existing Git repository in C:/Users/HP/Downloads/belajar/.git/
PS C:\Users\HP\Downloads\belajar> git add .
PS C:\Users\HP\Downloads\belajar> git commit -m "first commit"
[main 5f48293] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename index.html => index2.html (100%)
PS C:\Users\HP\Downloads\belajar> git branch -M main
PS C:\Users\HP\Downloads\belajar> git remote add origin https://github.com/ardhi024/prognet.git
fatal: remote origin already exists.
PS C:\Users\HP\Downloads\belajar> git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 226 bytes | 75.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/ardhi024/prognet.git
   2c542b4..5f48293  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
PS C:\Users\HP\Downloads\belajar>
```

D. Melakukan Pull ke lokalnet


```
d_2205551024@PrognetServer: ~/prognet/public
ssh: Could not resolve hostname prognet.localhost: Name or service not known
HP@LAPTOP-7L6E5NUK MINGW64 ~/Desktop
$ ssh d_2205551024@prognet.localnet
d_2205551024@prognet.localnet's password:
Linux PrognetServer 6.2.16-3-pve #1 SMP PREEMPT_DYNAMIC PVE 6.2.16-3 (2023-06-17
T05:58Z) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Sep 19 02:34:26 2023 from 192.168.4.3
d_2205551024@PrognetServer:~$ cd prognet
d_2205551024@PrognetServer:~/prognet$ cd public
d_2205551024@PrognetServer:~/prognet/public$ ls -al
total 12
drwxrwx--- 2 d_2205551024 www-data 4096 Sep 12 23:47 .
drwxrwx--- 3 d_2205551024 www-data 4096 Sep 12 23:47 ..
-rwxrwx--- 1 d_2205551024 www-data   37 Sep 12 23:47 index.php
d_2205551024@PrognetServer:~/prognet/public$ rm index.php
d_2205551024@PrognetServer:~/prognet/public$ ls -al
total 8
drwxrwx--- 2 d_2205551024 www-data 4096 Sep 19 12:05 .
drwxrwx--- 3 d_2205551024 www-data 4096 Sep 12 23:47 ..
d_2205551024@PrognetServer:~/prognet/public$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/d_2205551024/prognet/public/.git/
d_2205551024@PrognetServer:~/prognet/public$ git remote add origin https://github.com/ardhi024/prognet.git
d_2205551024@PrognetServer:~/prognet/public$ git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 200 bytes | 200.00 KiB/s, done.
From https://github.com/ardhi024/prognet
 * branch            main       -> FETCH_HEAD
 * [new branch]      main       -> origin/main
d_2205551024@PrognetServer:~/prognet/public$
```



```
d_2205551024@PrognetServer: ~/prognet/public

HP@LAPTOP-7L6E5NUK MINGW64 ~/Desktop
$ ssh d_2205551024@prognet.localnet
d_2205551024@prognet.localnet's password:
Linux PrognetServer 6.2.16-3-pve #1 SMP PREEMPT_DYNAMIC PVE 6.2.16-3 (2023-06-17
T05:58Z) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Sep 19 17:15:01 2023 from 192.168.4.3
d_2205551024@PrognetServer:~$ cd prognet
d_2205551024@PrognetServer:~/prognet$ cd public
d_2205551024@PrognetServer:~/prognet/public$ ls -al
total 404
drwxrwx--- 3 d_2205551024 www-data      4096 Sep 19 17:18 .
drwxrwx--- 3 d_2205551024 www-data      4096 Sep 12 23:47 ..
drwxr-xr-x 8 d_2205551024 d_2205551024  4096 Sep 19 17:27 .git
-rw-r--r-- 1 d_2205551024 d_2205551024 394402 Sep 19 17:18 img.jpg
-rw-r--r-- 1 d_2205551024 d_2205551024    861 Sep 19 17:18 style.css
d_2205551024@PrognetServer:~/prognet/public$ git init
Reinitialized existing Git repository in /home/d_2205551024/prognet/public/.git/
d_2205551024@PrognetServer:~/prognet/public$ git remote add origin https://github.com/ardhi024
/prognet.git
error: remote origin already exists.
d_2205551024@PrognetServer:~/prognet/public$ git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 2 (delta 1), reused 2 (delta 1), pack-reused 0
Unpacking objects: 100% (2/2), 206 bytes | 206.00 KiB/s, done.
From https://github.com/ardhi024/prognet
 * branch            main       -> FETCH_HEAD
   2c542b4..5f48293  main       -> origin/main
Updating 2c542b4..5f48293
Fast-forward
 index.html => index2.html | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename index.html => index2.html (100%)
d_2205551024@PrognetServer:~/prognet/public$
```
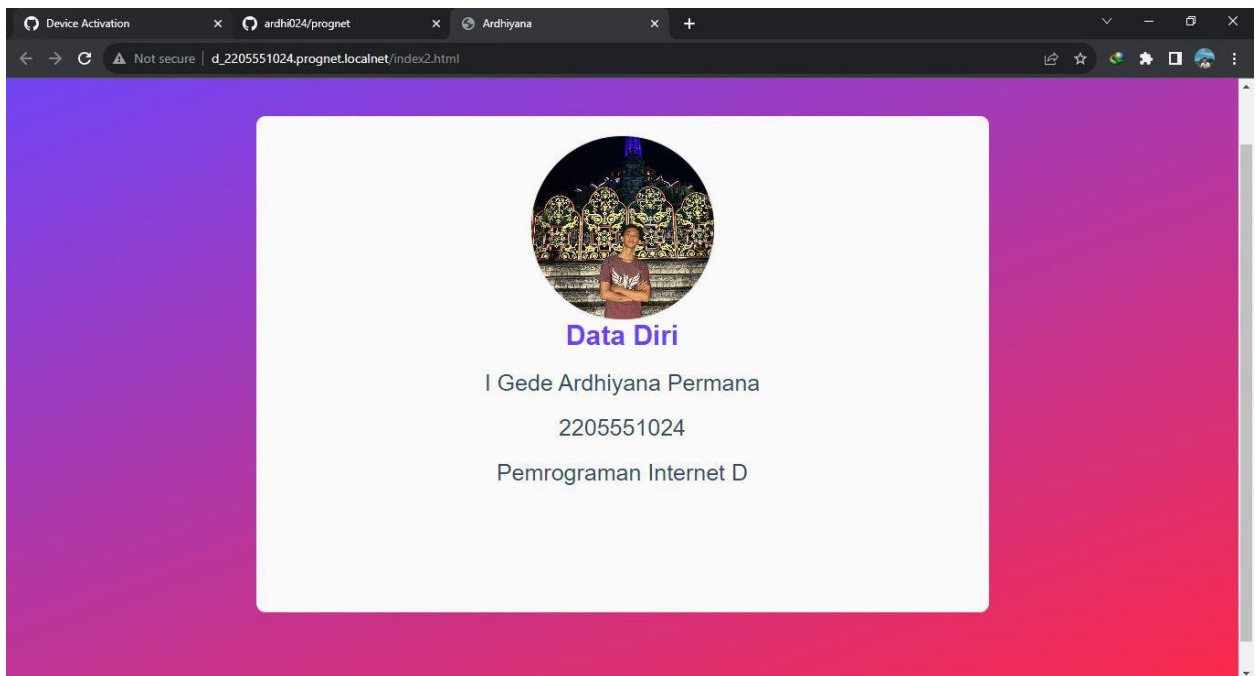
Data Diri

I Gede Ardhiyana Permana

2205551024

Pemrograman Internet D