

LAPORAN PRAKTIKUM CLOUD COMPUTING

Nama : Meri Agustina

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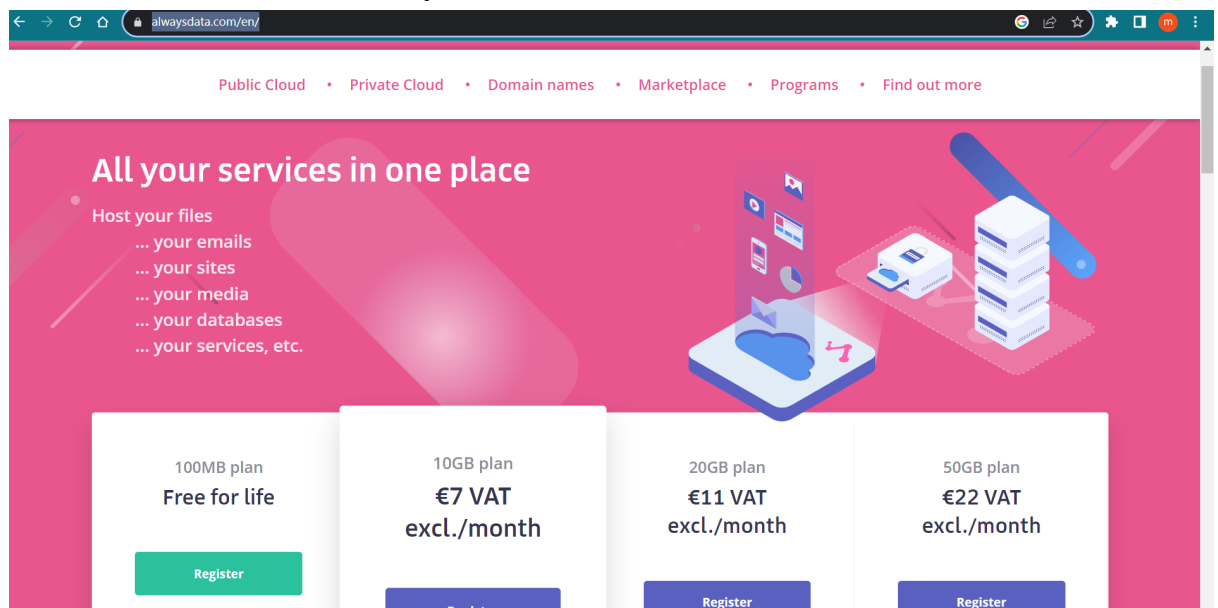
Mata Kuliah : Algoritma Pemrograman II

Prerequisite: – SSH Client (windows pake PuTTY, Mac/Unix/Linux pake terminal)
– FTP Client (optional, Filezilla)
– Internet Connection

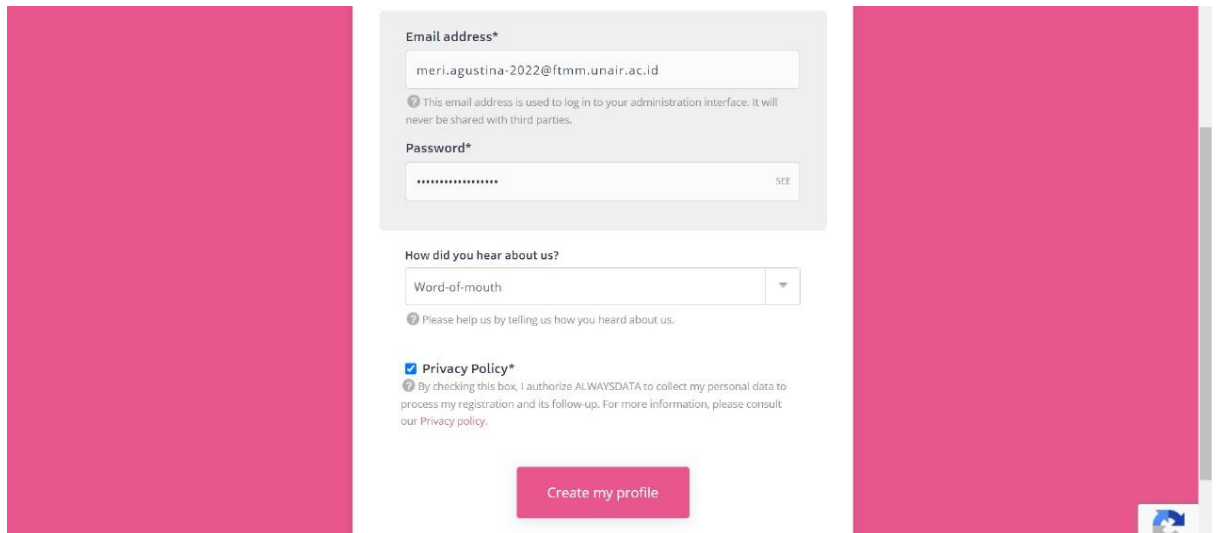
Tugas:

- Buat akun dan instance free public cloud di alwaysdata.com
- Buat 1 halaman static page berisi profil anda (foto, nama, hobby, link ke github repo, portfolio, dsb)
- Git push halaman tersebut ke repository github anda
- Git clone/pull halaman repo github anda ke folder lokal di cloud anda
- Host dan serve halaman tersebut di instance cloud anda di Alwaysdata (boleh pakai FTP)
- Laporkan setiap langkah, buat laporan dan cantumkan link profil anda yang accessible.
- Kumpulkan dalam laporan pdf serta cantumkan link pada submission text

1. Membuat akun di laman Alwaysdata



Mengunjungi laman alwaysdata di <https://www.alwaysdata.com/en/>, kemudian melakukan free registration dengan menekan tombol berwarna hijau.



The image shows a registration form for ALWAYS DATA. It includes fields for 'Email address*' (filled with meri.agustina-2022@ftmm.unair.ac.id) and 'Password*'. Below these is a dropdown menu for 'How did you hear about us?' set to 'Word-of-mouth'. A 'Privacy Policy*' checkbox is checked. A 'Create my profile' button is at the bottom.

Email address*

meri.agustina-2022@ftmm.unair.ac.id

This email address is used to log in to your administration interface. It will never be shared with third parties.

Password*

***** SEE

How did you hear about us?

Word-of-mouth

Please help us by telling us how you heard about us.

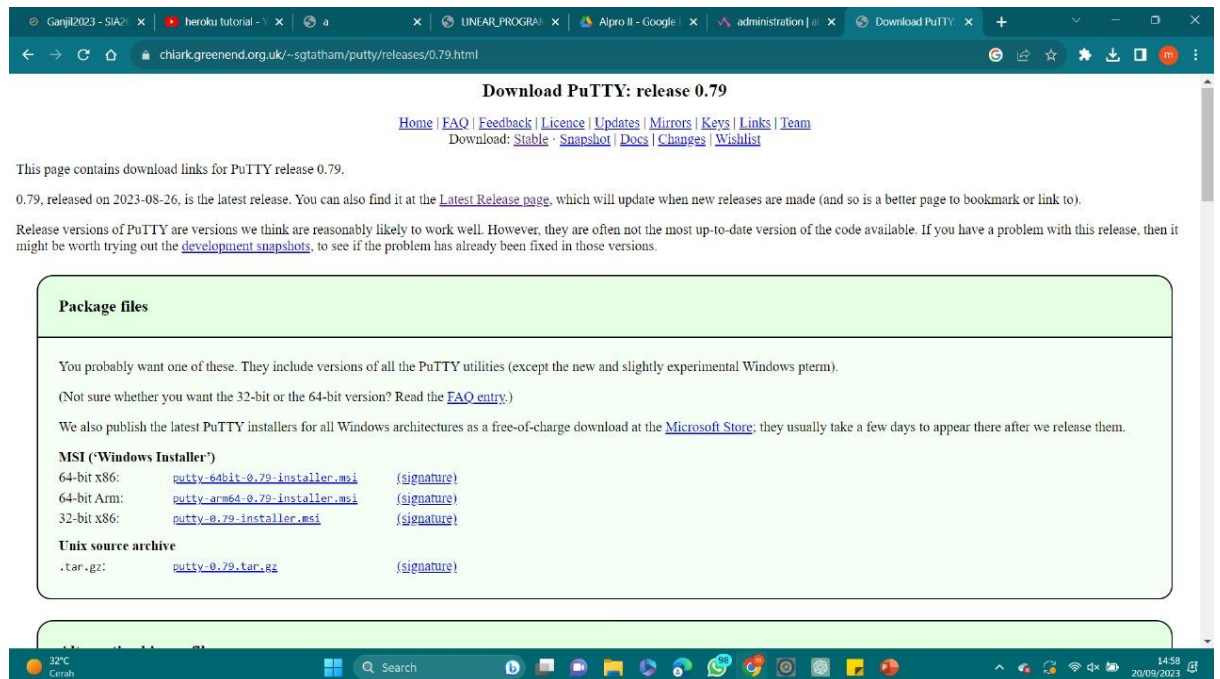
☒ Privacy Policy*

By checking this box, I authorize ALWAYS DATA to collect my personal data to process my registration and its follow-up. For more information, please consult our Privacy policy.

Create my profile

Setelah itu membuat akun dengan memasukkan email dan password.

2. Mengunduh software PuTTY



The screenshot shows the 'Download PuTTY: release 0.79' page. It lists various download links for different operating systems and architectures. The page is titled 'Download PuTTY: release 0.79' and includes links for Home, FAQ, Feedback, Licence, Updates, Mirrors, Keys, Links, and Team. Below the title, it states that the page contains download links for PuTTY release 0.79, released on 2023-08-26. It also mentions that the latest release can be found on the 'Latest Release page'. The page lists various download links for different operating systems and architectures, including MSI (Windows Installer) and Unix source archive.

Download PuTTY: release 0.79

[Home](#) | [FAQ](#) | [Feedback](#) | [Licence](#) | [Updates](#) | [Mirrors](#) | [Keys](#) | [Links](#) | [Team](#)

Download: [Stable](#) - [Snapshot](#) - [Docs](#) | [Changes](#) | [Wishlist](#)

This page contains download links for PuTTY release 0.79.

0.79, released on 2023-08-26, is the latest release. You can also find it at the [Latest Release page](#), which will update when new releases are made (and so is a better page to bookmark or link to).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem has already been fixed in those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the new and slightly experimental Windows pterm).

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge download at the [Microsoft Store](#); they usually take a few days to appear there after we release them.

MSI ("Windows Installer")

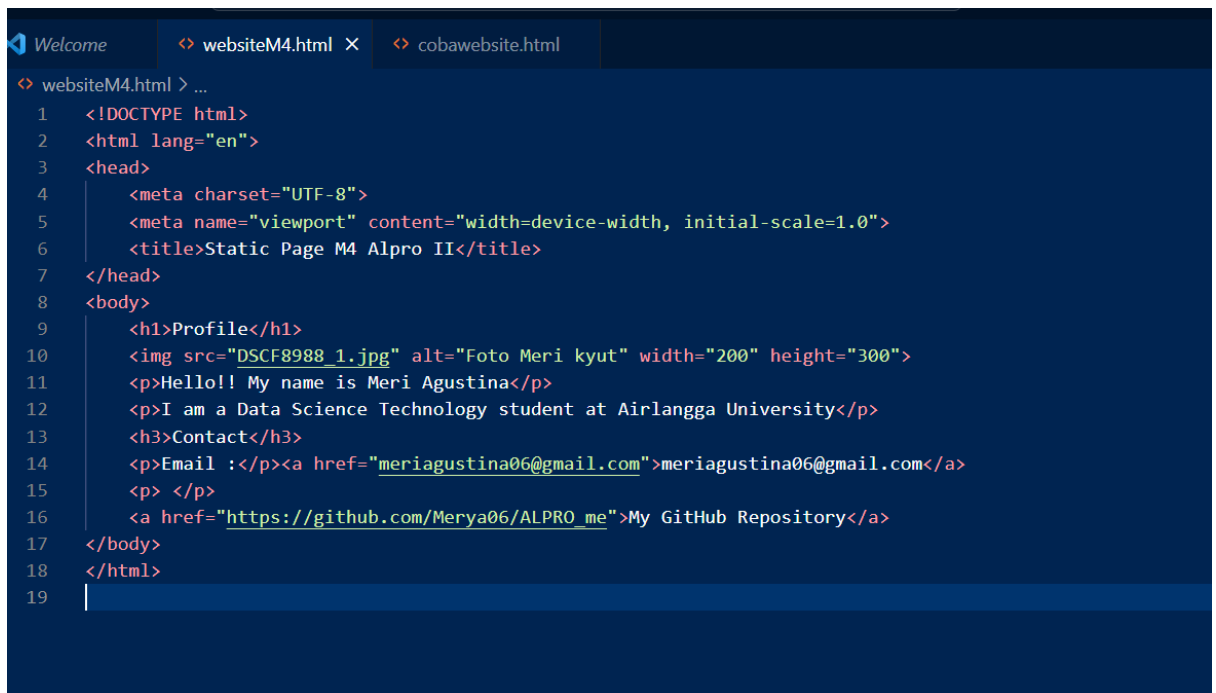
64-bit x86:	putty-64bit-0.79-installer.msi	(signature)
64-bit Arm:	putty-arm64-0.79-installer.msi	(signature)
32-bit x86:	putty-0.79-installer.msi	(signature)

Unix source archive

.tar.gz:	putty-0.79.tar.gz	(signature)
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Mengunduh software PuTTY di laman [download PuTTY](#), setelah melakukan penginstalan seperti software pada umumnya PuTTY sudah bisa digunakan.

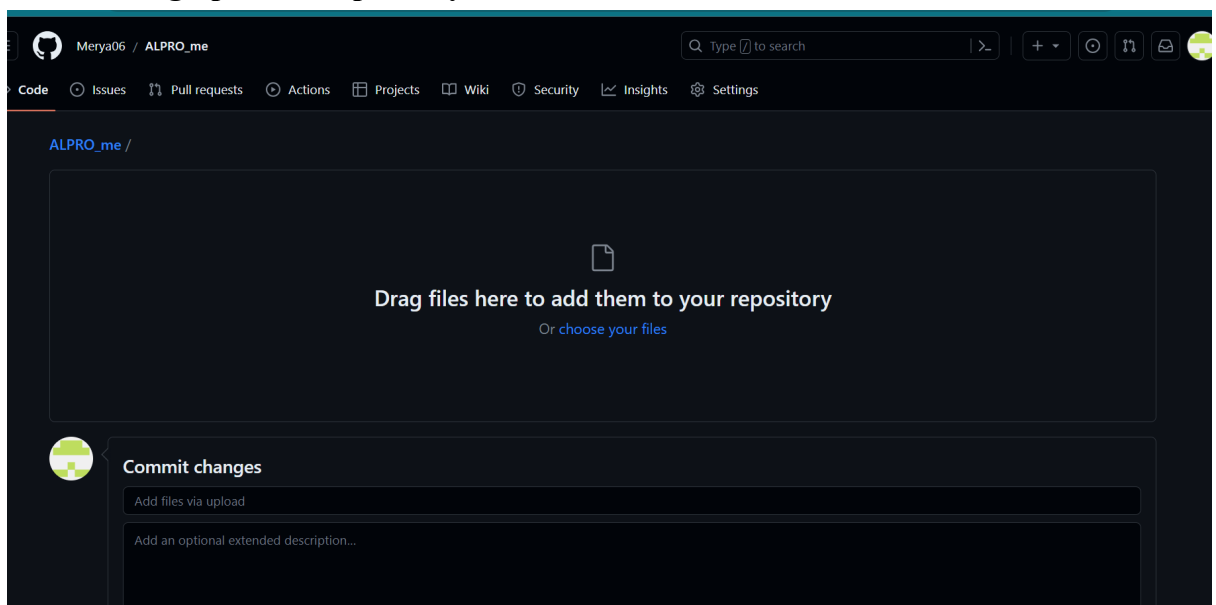
3. Membuat static page menggunakan html



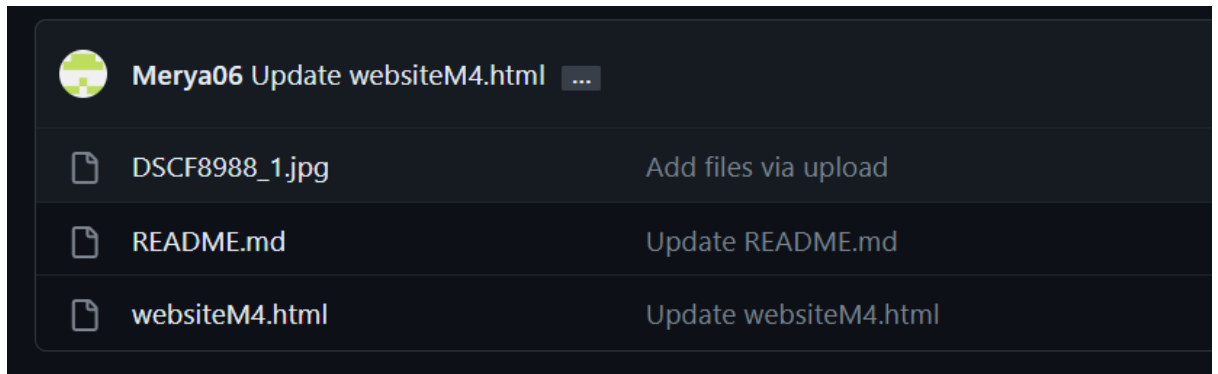
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Static Page M4 Alpro II</title>
7 </head>
8 <body>
9   <h1>Profile</h1>
10  
11  <p>Hello!! My name is Meri Agustina</p>
12  <p>I am a Data Science Technology student at Airlangga University</p>
13  <h3>Contact</h3>
14  <p>Email :</p><a href="mailto:meriagustina06@gmail.com">meriagustina06@gmail.com</a>
15  <p></p>
16  <a href="https://github.com/Merya06/ALPRO_me">My GitHub Repository</a>
17 </body>
18 </html>
19
```

Membuat code untuk static page menggunakan bahasa pemrograman html, disini saya menggunakan software VScode yang nantinya akan di push di repository GitHub.

4. Melakukan git push ke repository GitHub



Melakukan git push code html static page dan foto yang digunakan untuk static page. Code html dan foto harus dalam satu repository yang sama agar foto dapat diakses.



Apabila git push berhasil dilakukan, maka file akan terlihat di repository GitHub.

5. Melakukan setting SSH user

SSH USER

We advise against creating additional SSH users to avoid **common issues** related to permission management.

Name*
meriagustina06_
The name must start with the account name followed by an underscore ('_').

Password*

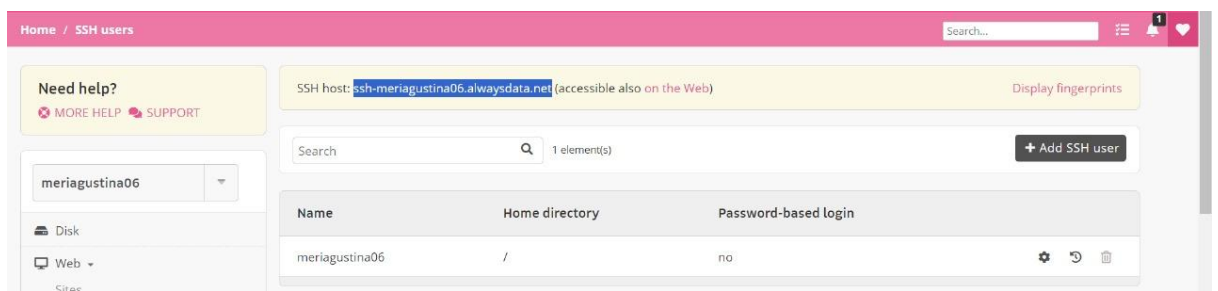
SEE

Home directory*
/
This directory is relative to your root directory. It has to start with "/". Caution: the user is not chrooted in that directory, they can move anywhere.

Shell*
bash

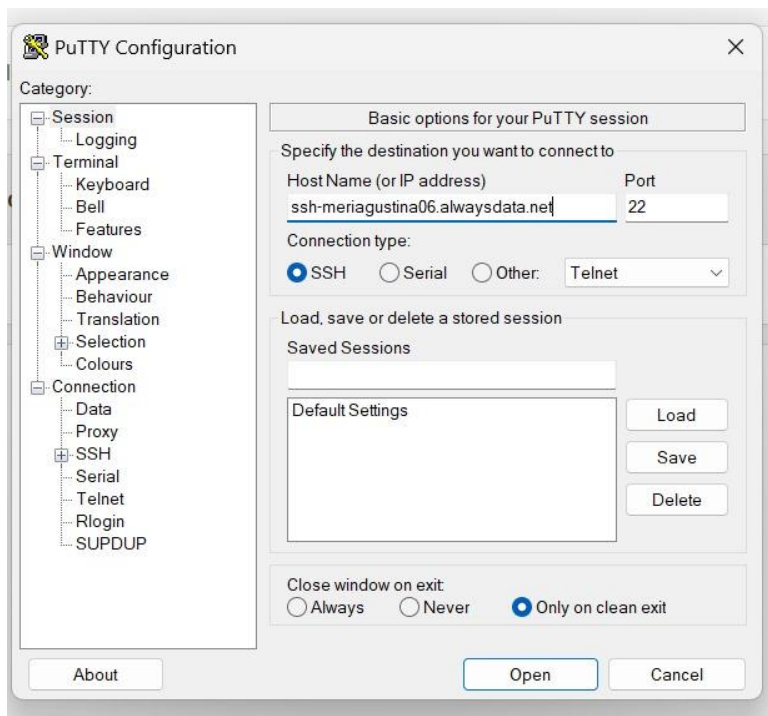
☒ Enable password-based login

Menambahkan SSH user dengan memasukkan username dan password yang nantinya akan dihubungkan dengan software PuTTY sebagai remote access server.



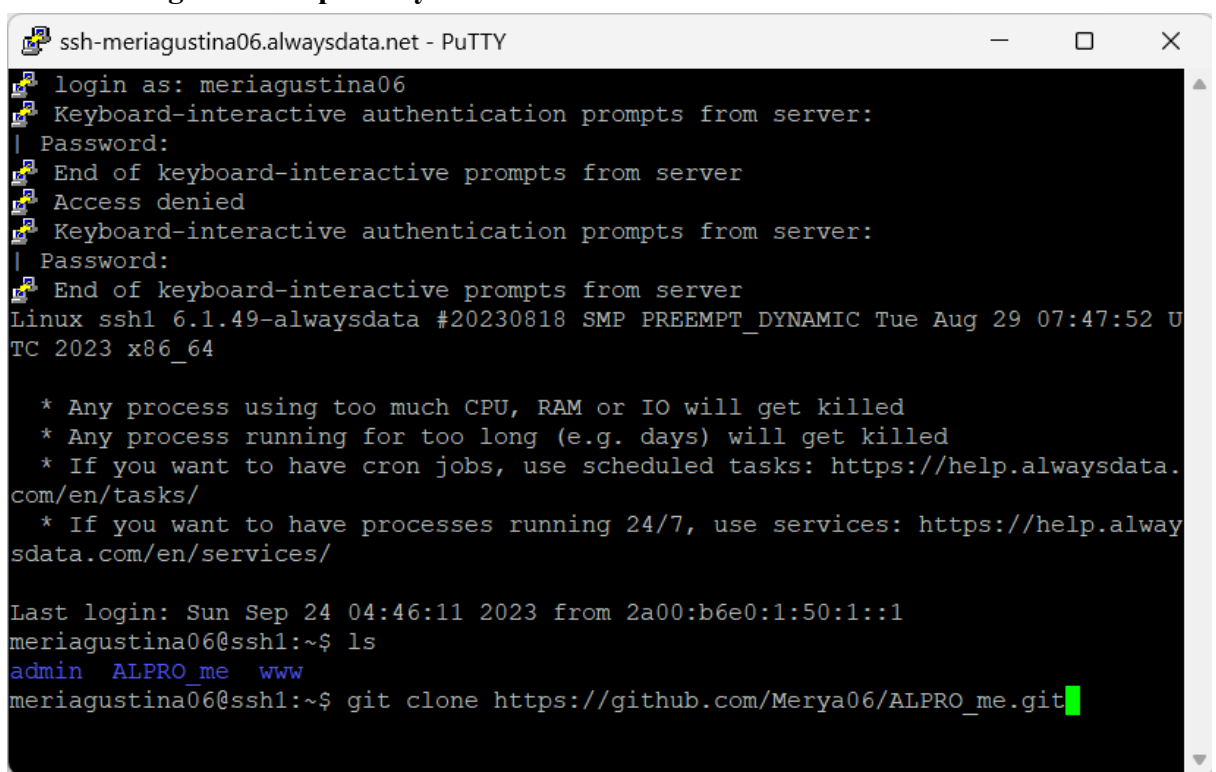
Setelah itu, akan muncul link SSH host yang selanjutnya akan di copy di software PuTTY.

6. Connect PuTTY dengan alwaysdata



Menyambungkan SSH client dengan SSH server dengan copy link yang ada di alwaysdata tersebut kemudian dimasukkan di kolom “Host Name” pada software puTTY kemudian tekan tombol open dibagian bawah.

7. Melakukan git clone repository GitHub ke folder lokal di cloud



Melakukan git clone dengan perintah git clone url GitHub repository

8. Melakukan copy dari repository ke folder lokal di cloud

```
ssh login: meriagustina06
Password:
Linux ssh1 6.1.49-alwaysdata #20230818 SMP PREEMPT_DYNAMIC Tue Aug 29 07:47:52 UTC 2023 x86_64

* Any process using too much CPU, RAM or IO will get Killed
* Any process running for too long (e.g. days) will get Killed
* If you want to have cron jobs, use scheduled tasks: https://help.alwaysdata.com/en/tasks/
* If you want to have processes running 24/7, use services: https://help.alwaysdata.com/en/services/

Last login: Wed Sep 20 11:28:05 2023 from 2a00:b6e0:1:50:1::1
meriagustina06@ssh1:~$ ls
admin ALPRO_me www
meriagustina06@ssh1:~$ cd www
meriagustina06@ssh1:~/www$ dir
ALPRO_me websiteM4.html
meriagustina06@ssh1:~/www$ cp -a /home/meriagustina06/www/ALPRO_me/websiteM4.html /home/meriagustina06/www/
```

Melakukan copy code html dan foto yang sebelumnya berada di folder repository bernama ALPRO_me ke folder default bernama www

```
-bash: ALPRO_me: command not found
meriagustina06@ssh1:~$ cd ALPRO_me
meriagustina06@ssh1:~/ALPRO_me$ dir
DSCF8988_1.jpg README.md
meriagustina06@ssh1:~/ALPRO_me$ cd
meriagustina06@ssh1:~$ cd www
meriagustina06@ssh1:~/www$ ls
ALPRO_me DSCF8988_1.jpg index.html
meriagustina06@ssh1:~/www$ cd
meriagustina06@ssh1:~$ cd www
meriagustina06@ssh1:~/www$ ls
ALPRO_me DSCF8988_1.jpg index.html
meriagustina06@ssh1:~/www$ git pull
fatal: not a git repository (or any parent up to mount point /home)
Stopping at filesystem boundary (GIT_DISCOVERY_ACROSS_FILESYSTEM not set).
meriagustina06@ssh1:~/www$ cd ..
meriagustina06@ssh1:~$ ls
admin ALPRO_me www
meriagustina06@ssh1:~$ cd ALPRO_me/
meriagustina06@ssh1:~/ALPRO_me$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/Merya06/ALPRO_me
3ba7761..0a3858d main -> origin/main
Updating 3ba7761..0a3858d
Fast-forward
 websiteM4.html | 16 ++++++
 1 file changed, 16 insertions(+)
 create mode 100644 websiteM4.html
meriagustina06@ssh1:~/ALPRO_me$ mv websiteM4.html /home/meriagustina06/www/index.html
meriagustina06@ssh1:~/ALPRO_me$
```

Apabila ingin merubah code html bisa dirubah melalui GitHub kemudian melakukan git pull ke folder cloud sehingga code yang ada di folder cloud dapat diperbarui.

Tampilan static page menggunakan url yang telah disetting



Profile



Hello!! My name is Meri Agustina

I am a Data Science Technology student at Airlangga University

My hobby is watching Korean dramas and traveling

Contact

Email :

meriagustina06@gmail.com

[My GitHub Repository](#)

Link static page : <http://meriagustina06.alwaysdata.net/>