



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

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CONTOH ISIAN:

1. Tampilkan hasil login pada Ubuntu Server dengan menggunakan PuTTY

```
root@eternal-loops: ~
login as: root
root@45.76.145.117's password:
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-45-generic x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage

System information as of Mon Feb 17 21:56:08 WIB 2020

System load:  0.0               Processes:            146
Usage of /:   84.9% of 19.63GB  Users logged in:     1
Memory usage: 78%               IP address for ens3: 45.76.145.117
Swap usage:   33%

* Multipass 1.0 is out! Get Ubuntu VMs on demand on your Linux, Windows or
  Mac. Supports cloud-init for fast, local, cloud devops simulation.

  https://multipass.run/

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch

187 packages can be updated.
141 updates are security updates.

*** System restart required ***
Last login: Sun Feb  2 19:18:13 2020 from 180.254.121.187
root@eternal-loops:~#
```

2. Deskripsikan parameter yang digunakan untuk keluar dari akun root

```
$ exit
```

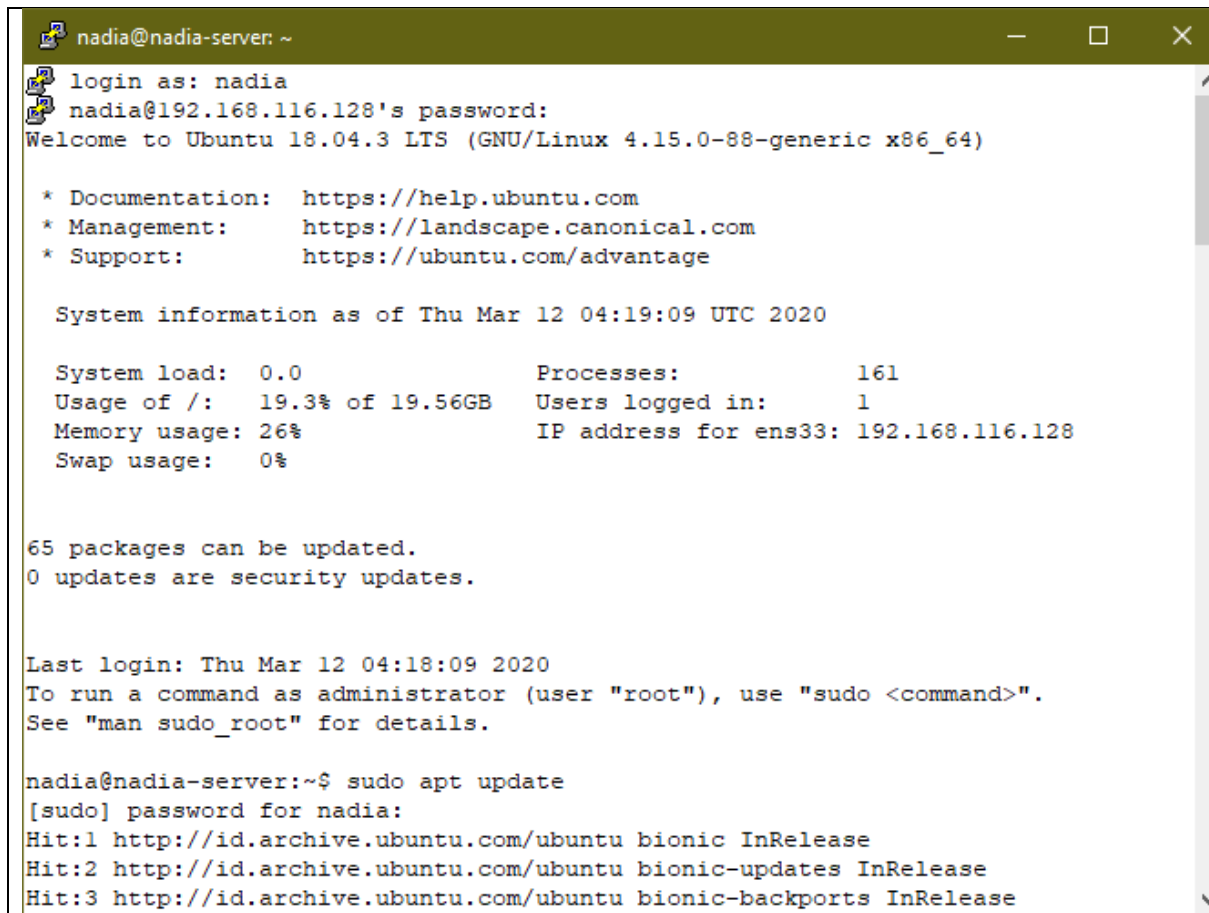
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



TUGAS BAGIAN PERTAMA:

1. Tampilan hasil login Server Ubuntu pada PuTTY (tampilan dashboard/motd)



```
nadia@nadia-server: ~  
login as: nadia  
nadia@192.168.116.128's password:  
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-88-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
System information as of Thu Mar 12 04:19:09 UTC 2020  
  
System load:  0.0                Processes:            161  
Usage of /:   19.3% of 19.56GB   Users logged in:     1  
Memory usage: 26%              IP address for ens33: 192.168.116.128  
Swap usage:   0%  
  
65 packages can be updated.  
0 updates are security updates.  
  
Last login: Thu Mar 12 04:18:09 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
nadia@nadia-server:~$ sudo apt update  
[sudo] password for nadia:  
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease  
Hit:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease  
Hit:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease
```

2. Deskripsikan parameter atau cara untuk mendapatkan IP dari Server Ubuntu

```
$ ifconfig
```

3. Tampilkan hasil instalasi Apache (Ubuntu Default Page) pada browser (perlihatkan juga address bar pada browser)

nadia@nadia-server: ~

```
nadia@nadia-server:~$ sudo apt update
[sudo] password for nadia:
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
65 packages can be upgraded. Run 'apt list --upgradable' to see them.
nadia@nadia-server:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.2-0 ssl-cert
Suggested packages:
  www-browser apache2-doc apache2-suexec-pristine | apache2-suexec-custom
  openssl-blacklist
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.2-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 65 not upgraded.
Need to get 1,729 kB of archives.
After this operation, 6,986 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libapr1 amd64 1.6.3-2 [90.9 kB]
Get:2 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1 amd64 1.6.1-2 [84.4 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-2 [10.6 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1-ldap amd64 1.6.1-2 [8,764 B]
Get:5 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 liblua5.2-0 amd64 5.2.4-1.lbuild1 [108 kB]
Get:6 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-bin amd64 2.4.29-1ubuntu4.12 [1,071 kB]
Get:7 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-utils amd64 2.4.29-1ubuntu4.12 [83.5 kB]
Get:8 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-data all 2.4.29-1ubuntu4.12 [160 kB]
Get:9 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2 amd64 2.4.29-1ubuntu4.12 [95.1 kB]
Get:10 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 ssl-cert all 1.0.39 [17.0 kB]
Fetched 1,729 kB in 8s (214 kB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1:amd64.
(Reading database ... 66957 files and directories currently installed.)
Preparing to unpack .../0-libapr1_1.6.3-2_amd64.deb ...
Unpacking libapr1:amd64 (1.6.3-2) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../1-libaprutil1_1.6.1-2_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.1-2) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../2-libaprutil1-dbd-sqlite3_1.6.1-2_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-2) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../3-libaprutil1-ldap_1.6.1-2_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.1-2) ...
```

nadia@nadia-server: ~

```
Unpacking apache2-bin (2.4.29-lubuntu4.12) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../6-apache2-utils_2.4.29-lubuntu4.12_amd64.deb ...
Unpacking apache2-utils (2.4.29-lubuntu4.12) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../7-apache2-data_2.4.29-lubuntu4.12_all.deb ...
Unpacking apache2-data (2.4.29-lubuntu4.12) ...
Selecting previously unselected package apache2.
Preparing to unpack .../8-apache2_2.4.29-lubuntu4.12_amd64.deb ...
Unpacking apache2 (2.4.29-lubuntu4.12) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../9-ssl-cert_1.0.39_all.deb ...
Unpacking ssl-cert (1.0.39) ...
Setting up libapr1:amd64 (1.6.3-2) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Setting up apache2-data (2.4.29-lubuntu4.12) ...
Setting up ssl-cert (1.0.39) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Setting up libaprutil1:amd64 (1.6.1-2) ...
Processing triggers for systemd (237-3ubuntu10.38) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Setting up liblua5.2-0:amd64 (5.2.4-1.1build1) ...
Setting up libaprutil1-ldap:amd64 (1.6.1-2) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-2) ...
Setting up apache2-utils (2.4.29-lubuntu4.12) ...
Setting up apache2-bin (2.4.29-lubuntu4.12) ...
Setting up apache2 (2.4.29-lubuntu4.12) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module auth_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for libc-bin (2.27-3ubuntu1) ...
Processing triggers for systemd (237-3ubuntu10.38) ...
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
nadia@nadia-server:~$
```

4. Tampilkan proses instalasi MySQL

```
nadia@nadia-server: ~  
Rules updated  
Rules updated (v6)  
nadia@nadia-server:~$ sudo apt install mysql-server  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  libaiol libcgi-fast-perl libcgi-pm-perl libencode-locale-perl  
  libevent-core-2.1-6 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl  
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl  
  liblwp-mediatypes-perl libtimedate-perl liburi-perl mysql-client-5.7  
  mysql-client-core-5.7 mysql-common mysql-server-5.7 mysql-server-core-5.7  
Suggested packages:  
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinyca  
The following NEW packages will be installed:  
  libaiol libcgi-fast-perl libcgi-pm-perl libencode-locale-perl  
  libevent-core-2.1-6 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl  
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl  
  liblwp-mediatypes-perl libtimedate-perl liburi-perl mysql-client-5.7  
  mysql-client-core-5.7 mysql-common mysql-server mysql-server-5.7  
  mysql-server-core-5.7  
0 upgraded, 21 newly installed, 0 to remove and 65 not upgraded.  
Need to get 19.7 MB of archives.  
After this operation, 156 MB of additional disk space will be used.  
Do you want to continue? [Y/n]
```

5. Tampilkan keberhasilan instalasi PHP dengan cara menampilkan info.php pada browser

PHP Version 7.2.24-0ubuntu0.18.04.3

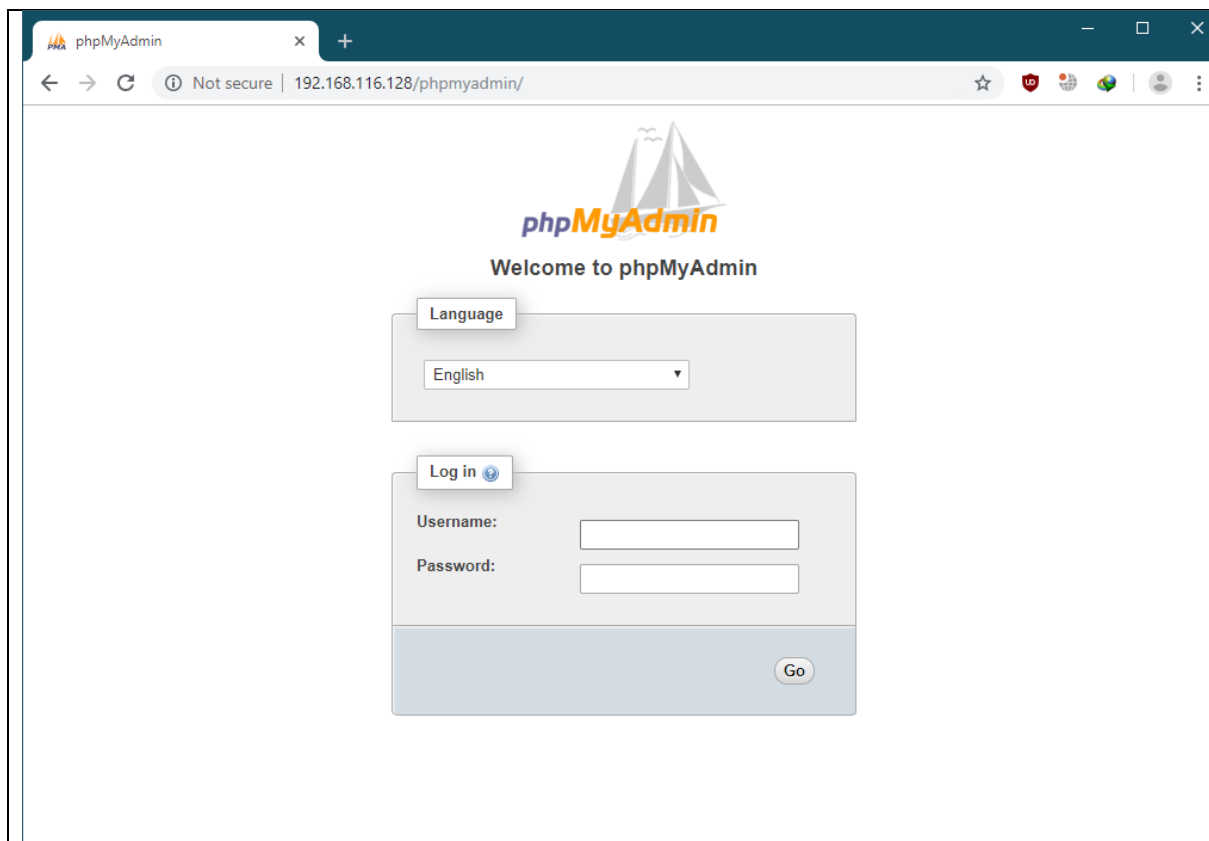
System	Linux nadia-server 4.15.0-88-generic; 888-Ubuntu SMP Tue Feb 11 20:11:34 UTC 2020 x86_64
Build Date	Feb 11 2020 15:55:52
Server API	Apache/2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.2/apache2
Loaded Configuration File	/etc/php/7.2/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.2/apache2/conf.d
Additional .ini files parsed	/etc/php/7.2/apache2/conf.d/10-mysqlnd.ini, /etc/php/7.2/apache2/conf.d/10-opcache.ini, /etc/php/7.2/apache2/conf.d/10-pdo.ini, /etc/php/7.2/apache2/conf.d/20-calendar.ini, /etc/php/7.2/apache2/conf.d/20-curl.ini, /etc/php/7.2/apache2/conf.d/20-ctype.ini, /etc/php/7.2/apache2/conf.d/20-dom.ini, /etc/php/7.2/apache2/conf.d/20-ftp.ini, /etc/php/7.2/apache2/conf.d/20-gdlib.ini, /etc/php/7.2/apache2/conf.d/20-gettext.ini, /etc/php/7.2/apache2/conf.d/20-iconv.ini, /etc/php/7.2/apache2/conf.d/20-intl.ini, /etc/php/7.2/apache2/conf.d/20-ldap.ini, /etc/php/7.2/apache2/conf.d/20-mbstring.ini, /etc/php/7.2/apache2/conf.d/20-mcrypt.ini, /etc/php/7.2/apache2/conf.d/20-mysqlnd.ini, /etc/php/7.2/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.2/apache2/conf.d/20-phar.ini, /etc/php/7.2/apache2/conf.d/20-posix.ini, /etc/php/7.2/apache2/conf.d/20-sockets.ini, /etc/php/7.2/apache2/conf.d/20-sysvshm.ini, /etc/php/7.2/apache2/conf.d/20-sysvsem.ini, /etc/php/7.2/apache2/conf.d/20-tokenizer.ini, /etc/php/7.2/apache2/conf.d/20-xmlrpc.ini, /etc/php/7.2/apache2/conf.d/20-zlib.ini
PHP API	20170718
PHP Extension	20170718
Zend Extension	3.10.0
Zend Extension Build	API20170718.NTS
PHP Extension Build	API20170718.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTTrace Support	available, disabled
Registered PHP Streams	ftp, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1, tlsv1.1, tlsv1.2
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, convert.iconv.*

This program makes use of the Zend Scripting Language Engine:
Zend Engine v3.10.0, Copyright (c) 1999-2018 Zend Technologies
with Zend OPcache v7.2.24-0ubuntu0.18.04.3, Copyright (c) 1999-2018, by Zend Technologies

Configuration
apache2handler

Apache Version
Apache/2.4.29 (Ubuntu)

6. Tampilkan halaman awal dari login PHPmyAdmin pada browser



7. Deskripsikan parameter untuk memperbaiki login database (Flush Privileges)

```
$ sudo mysql -u root
```

8. Tampilkan hasil login WinSCP yang menunjukkan berkas pada Ubuntu Server

Documents - nadia@192.168.116.128 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

nadia@192.168.116.128 X New Session

My documents Upload Edit Properties New Find Files

C:\Users\Lab Informatika\Documents\ /home/nadia/

Name	Size	Type	Changed
..		Parent directory	20 Agt 2019 20.48.35
!!SHARE!!		File folder	07 Okt 2019 11.45.46
Adobe		File folder	02 Agt 2019 22.14.46
ArcGIS		File folder	30 Jul 2019 17.31.41
Arduino		File folder	30 Jul 2019 17.46.19
Corel		File folder	02 Agt 2019 22.06.44
Fritzing		File folder	30 Jul 2019 19.35.24
GIS DataBase		File folder	29 Jul 2019 16.12.30
Journals		File folder	20 Agt 2019 20.48.35
Leapdroid		File folder	18 Agt 2019 21.05.30
MATLAB		File folder	30 Jul 2019 16.33.13
My Shapes		File folder	29 Jul 2019 11.09.16
Navicat		File folder	31 Jul 2019 09.22.55
NetBeansProjects		File folder	29 Jul 2019 15.20.58
EasyBCD Backup (201...	44 KB	BCD File	26 Jul 2019 10.04.02
symbology-style.db	388 KB	Data Base File	30 Jul 2019 17.02.48

Name	Size	Changed	Rights	Owner
..		12 Mar 2020 11.13.27	rwxr-xr-x	root

0 B of 432 KB in 0 of 15 5 hidden 0 B of 0 B in 0 of 0 6 hidden

SFTP-3 0.00.04

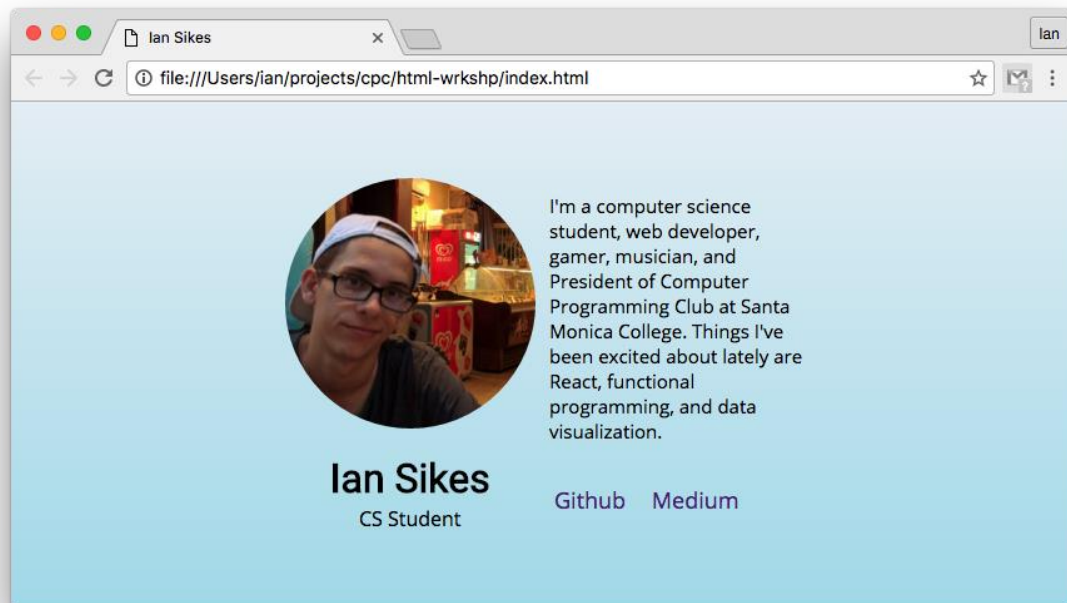
TUGAS BAGIAN KEDUA:

Khusus untuk yang telah mengerjakan tugas 000webhost:

Unduh berkas PHP/HTML Rumah Makan yang tersimpan pada 000webhost Anda.

Khusus untuk yang belum mengerjakan tugas 000webhost:

Buatlah biodata/CV sederhana yang menampilkan identitas Anda menggunakan bahasa PHP/HTML dengan contoh hasil seperti pada ilustrasi berikut



LAKUKAN UNGGAH BERKAS TERSEBUT PADA UBUNTU SERVER, KEMUDIAN TAMPILKAN HASILNYA PADA BROWSER. ATUR JUGA DATABASE BILA PERLU.

(tampilan situs pada browser)

TUGAS BAGIAN KETIGA:

Catatlah IP lima teman Anda secara acak pada tabel berikut, kemudian buat definisi domain untuk teman Anda dengan format: <http://www.namateman.if.upnyk.ac.id>

No.	IP	Nama	Domain
ex.	192.168.64.250	Wahyu Aji Nugroho	wahyu .if.upnyk.ac.id
	192.168.64.245	Muhammad Imam Alfatah	imam .if.upnyk.ac.id
1.			.if.upnyk.ac.id
2.			.if.upnyk.ac.id
3.			.if.upnyk.ac.id
4.			.if.upnyk.ac.id
5.			.if.upnyk.ac.id

Tampilkan hasil akses situs tersebut (menggunakan domain, bukan akses dengan IP) pada isian berikut (perlihatkan URL pada tangkapan layar):

1. Situs pertama

2. Situs kedua

3. Situs ketiga

4. Situs keempat

5. Situs kelima