

Nama : Nur Nasyi'ah Azzahra

NIM : A12.2018.06031

Kelompok : A12.6401U

Mata Kuliah : Pemrograman Web

Tugas Minggu ke-1

Instalasi Web Server, PHP dan MariaDB /MySQL

1. Download Software PHP, Apache dan MySQL

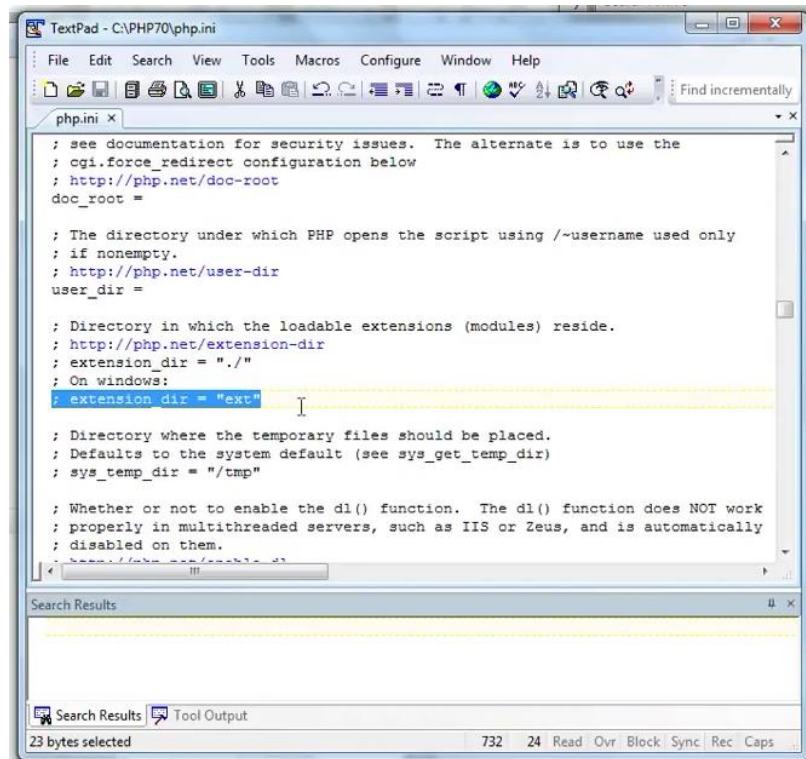
- a) PHP : <http://windows.php.net/download>
- b) Apache : <http://apachelounge.com/download>
- c) MySQL : <http://mysql.com/downloads/mysql>

2. Cek instalasi Visual C++ 2015 Redistributable di Control Panel

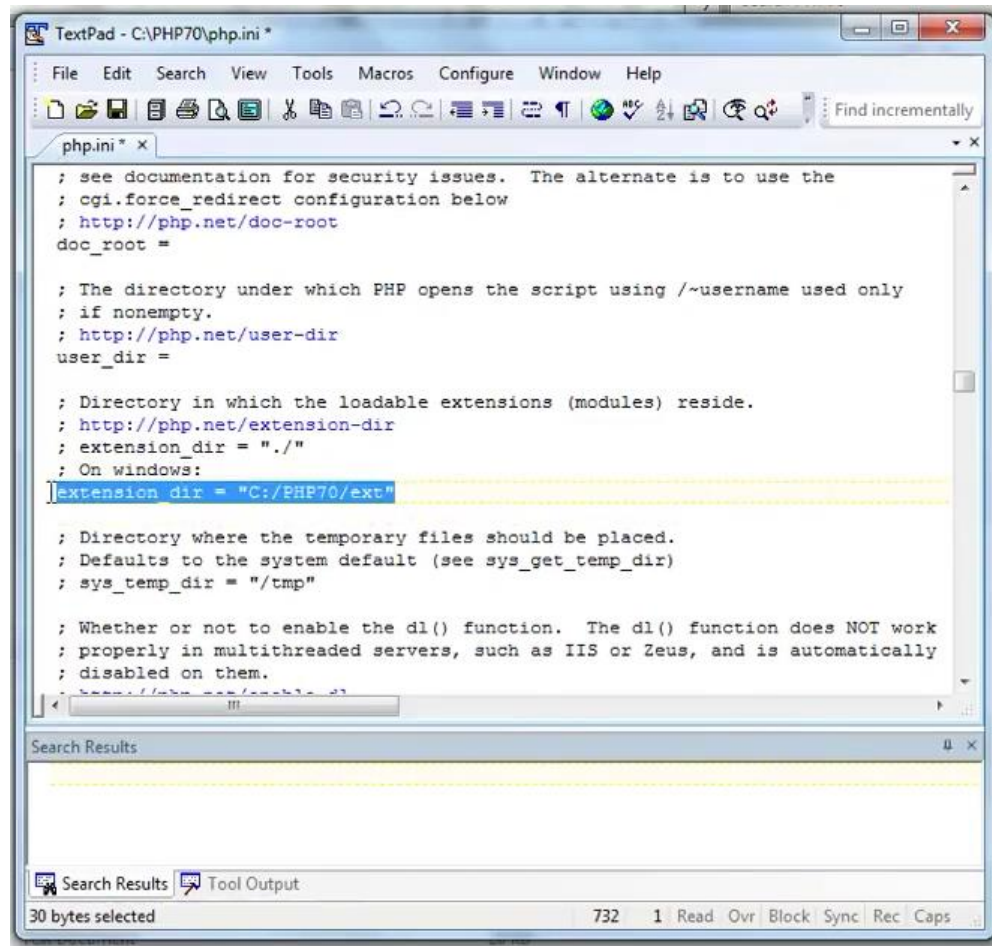
Ketik control panel pada kolom pencarian => klik program and features. Jika belum ada maka harus download terlebih dahulu di vc redist 2015 x64

3. Instalasi PHP

- 1. Ekstrak file php yang telah didownload, letakkan di local disk (C:) dengan nama folder PHP70
- 2. Buka PHP70
- 3. Buka php.ini.development pada textpad, lalu cari tulisan extension_dir seperti gambar berikut

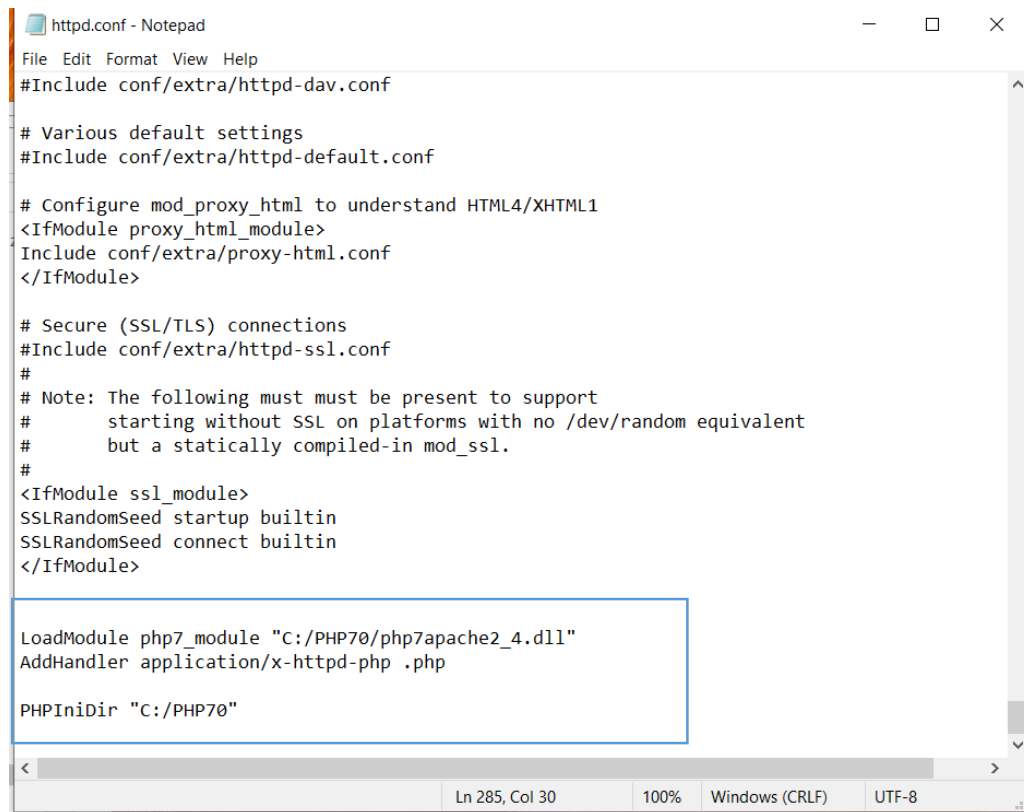


4. Kemudian ubah tulisan yang diblok biru diatas menjadi seperti yang di blok di bawah ini.
Kemudian save as dengan nama php.ini



4. Instalasi Apache

1. Ekstrak file yang telah didownload tadi. Kemudian buka folder Apache24 dari hasil ekstrak
2. Buka folder conf. kemudian buka file httpd.conf di notepad. Lalu dibagian paling bawah tambahkan perintah seperti pada gambar berikut.



```
httpd.conf - Notepad
File Edit Format View Help
#Include conf/extra/httpd-dav.conf

# Various default settings
#Include conf/extra/httpd-default.conf

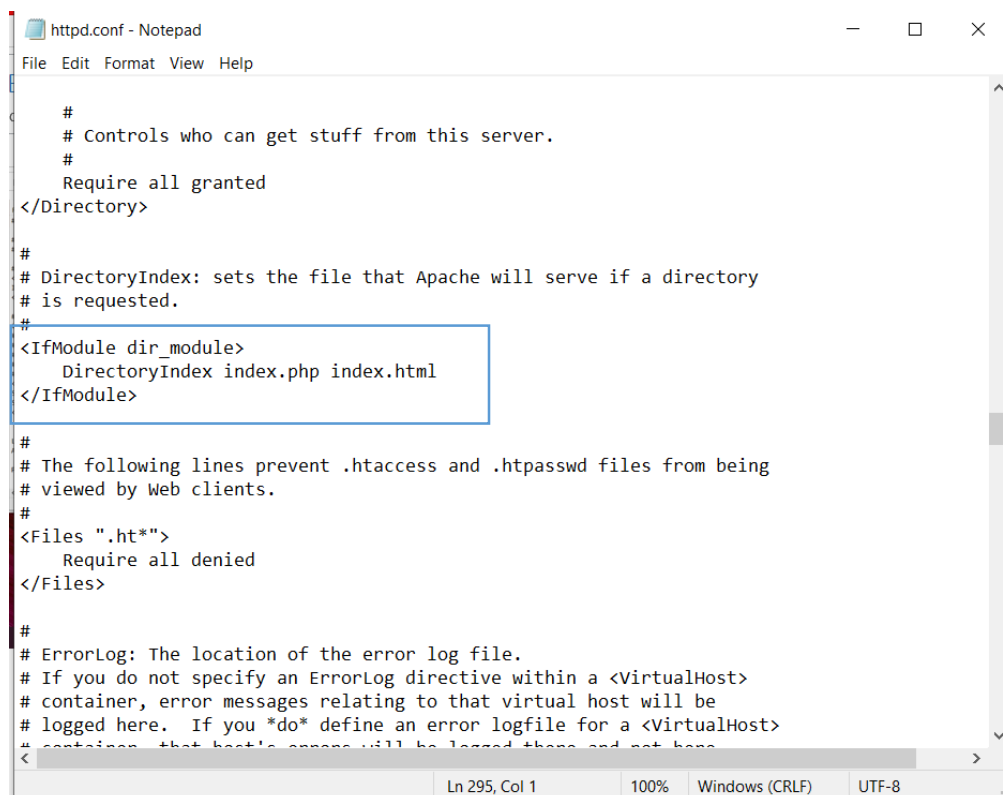
# Configure mod_proxy_html to understand HTML4/XHTML1
<IfModule proxy_html_module>
Include conf/extra/proxy-html.conf
</IfModule>

# Secure (SSL/TLS) connections
#Include conf/extra/httpd-ssl.conf
#
# Note: The following must be present to support
#       starting without SSL on platforms with no /dev/random equivalent
#       but a statically compiled-in mod_ssl.
#
<IfModule ssl_module>
SSLRandomSeed startup builtin
SSLRandomSeed connect builtin
</IfModule>

LoadModule php7_module "C:/PHP70/php7apache2_4.dll"
AddHandler application/x-httpd-php .php

PHPIniDir "C:/PHP70"
```

3. Kemudian cari `DirectoryIndex` pada notepad tersebut. Selanjutnya ubah menjadi seperti pada gambar berikut. Lalu save.



```
httpd.conf - Notepad
File Edit Format View Help
#
# Controls who can get stuff from this server.
#
Require all granted
</Directory>

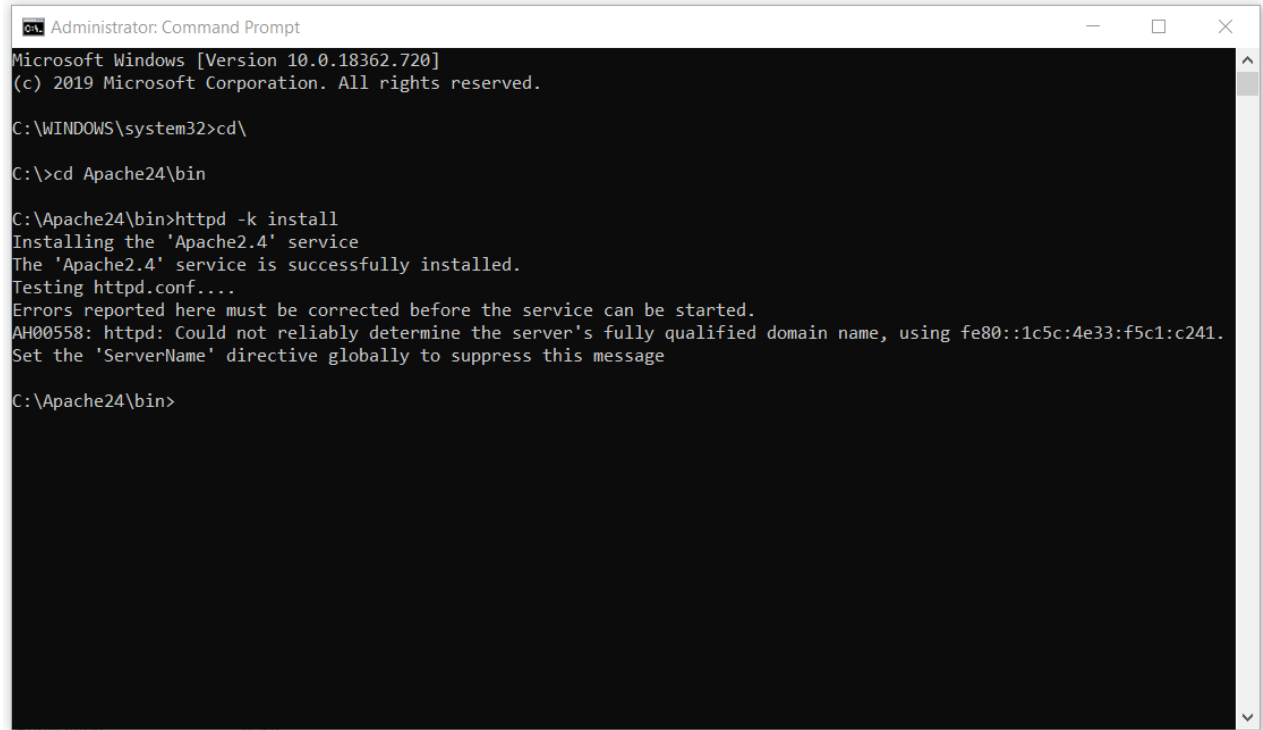
#
# DirectoryIndex: sets the file that Apache will serve if a directory
# is requested.
#
<IfModule dir_module>
DirectoryIndex index.php index.html
</IfModule>

#
# The following lines prevent .htaccess and .htpasswd files from being
# viewed by Web clients.
#
<Files ".ht*">
Require all denied
</Files>

#
# ErrorLog: The location of the error log file.
# If you do not specify an ErrorLog directive within a <VirtualHost>
# container, error messages relating to that virtual host will be
# logged here. If you *do* define an error logfile for a <VirtualHost>
# container, that host's errors will be logged there and not here.
#
ErrorLog logs/error.log
```

5. Membuat Service Apache

1. Buka cmd => klik kanan => run as administrator
2. Kemudian masukkan perintah seperti gambar dibawah ini



```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>cd\

C:\>cd Apache24\bin

C:\Apache24\bin>httpd -k install
Installing the 'Apache2.4' service
The 'Apache2.4' service is successfully installed.
Testing httpd.conf....
Errors reported here must be corrected before the service can be started.
AH00558: httpd: Could not reliably determine the server's fully qualified domain name, using fe80::1c5c:4e33:f5c1:c241.
Set the 'ServerName' directive globally to suppress this message

C:\Apache24\bin>
```

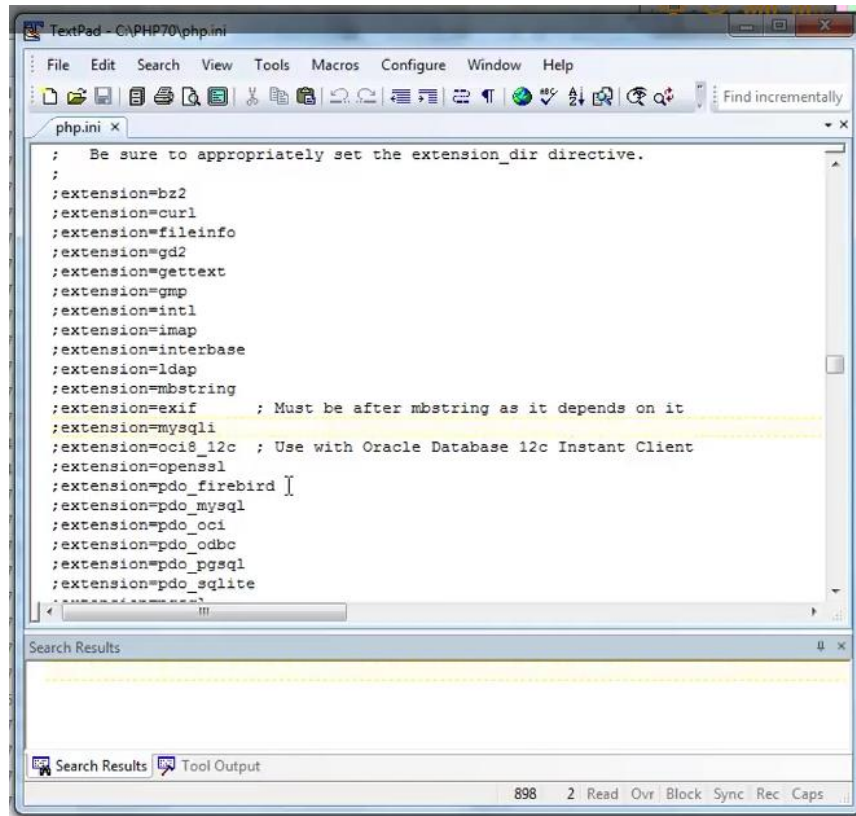
3. Proses install selesai.
4. Kemudian buka control panel => Administrative Tools => services => Apache2.4 => klik start.
5. Proses selesai.

6. Menguji Konfigurasi Apache

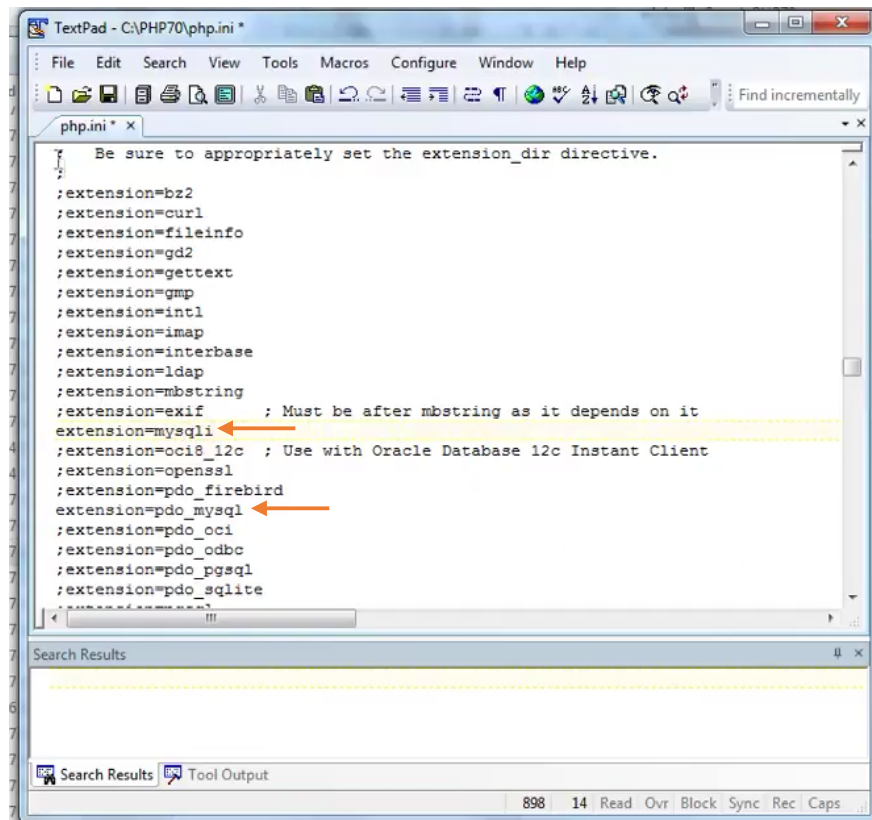
Kemudian untuk mengecek apakah sudah berjalan sesuai atau belum, caranya buka chrome kemudian tulis localhost. Jika muncul it works! maka apache dan php sudah berjalan normal.

7. Menginstal MySQL

1. Instal file yang telah didownload tadi => run => klik I accept the license terms => server only
=> execute => klik standalone MySQL server/ classic MySQL replication => isi password dengan root.
2. Proses selesai.
3. Kemudian untuk mengecek caranya buka file MySQL di start => pilih MySQL 5.7 command line client => masukkan password.
4. Buka PHP70 => buka php yang telah di konfigurasi ke textpad
5. Cari tulisan extension= seperti pada gambar berikut



6. Kemudian ubah menjadi seperti gambar dibawah ini



7. Kemudian buka file apache lalu klik httdoc.
8. Buat file baru dengan nama konfigurasi.php pada notepad.
9. Kemudian didalam file konfigurasi.php tersebut tulis perintah seperti dibawah ini :

```
<?php
    phpinfo();
?>
```

10. Selanjutnya ketik localhost/konfigurasi.php di web browser, maka akan muncul seperti pada gamabr berikut :

System	Windows NT LAPTOP-I189H5K3 10.0 build 18362 (Windows 10) AMD64
Build Date	Mar 17 2020 13:42:17
Compiler	Visual C++ 2017
Architecture	x64
Configure Command	cscript /nologo /e:jscript configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-pdo-oci=c:\php-snap-build\deps_aux\oracle\w64\instantclient_12_1\sdk,shared" "--with-oci8-12c=c:\php-snap-build\deps_aux\oracle\w64\instantclient_12_1\sdk,shared" "--enable-object-out-dir=.\obj" "--enable-com-dotnet=shared" "--without-analyzer" "--with-pgo"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	C:\PHP70\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20190902
PHP Extension	20190902
Zend Extension	320190902
Zend Extension Build	API320190902,TS,VC15
PHP Extension Build	API20190902,TS,VC15
Debug Build	no
Thread Safety	enabled
Thread API	Windows Threads
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	php, file, glob, data, http, ftp, zip, compress.zlib, phar
Registered Stream Socket Transports	tcp, udp
Registered Stream Filters	convert.iconv.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, zlib.*