1_1. 사용자 계정 추가

1. <사용자 계정 & 암호 설정>

- ✓ useradd -m ossuser
- ✓ cd /home
- ✓ passwd ossuser
- ✓ su - ossuser
- ✓ chmod -R 755 www
- ✓ cd www

2. <index.html 추가>

- ✓ vim index.html
- ✓ <homedirectory에 phpinfo.php 파일 생성>
- ✓ cd /var/www/html
- ✓ vim phpinfo.php

3. <소유자 변경>

- ✓ chown -R ossuser:ossuser /var/www/html/phpinfo.php
- ✓ su - ossuser
- ✓ <php-sql 모듈 설치 및 phpmyadmin 링크 추가>
- ✓ sudo apt install php-mysql
- ✓ sudo apt istall phpmyadmin
- ✓ cd /var/www/html
- ✓ sudo ln -s /usr/share/phpmyadmin phpMyAdmin

1_2. Virtual Host 설정

1. <설정파일 추가>

- ✓ cd /etc/nginx/sites-available
- ✓ cp default ossweb.com
- ✓ vim ossuser.com (ossuser.com 안에서 php와 phpmyadmin 설정을 한다)
- ✓ cd ..

- ✓ cd sites-enabled
- ✓ ln -s /etc/nginx/sites-available/ossweb.com ossweb.com
- ✓ nginx -t
- ✓ service nginx restart

1_3. 설정파일 테스트

Sudo service php7.3-fpm restart

Sudo service nginx -t (default의 설정값을 변경해주고 nginx 테스트를 진행한다.)

Sudo service nginx -t (default에 location /phpMyAdmin을 설정하고 테스트를 진행한다.)

1_4. 웹 서버 재시작

a. index.html 페이지

OSSuser Homepage

OSSuser Homepage

b. phpinfo.php 페이지

PHP Version 7.3.27-1~deb10u1	
System	Linux raspberrypi 5.10.17-v7+ #1403 SMP Mon Feb 22 11:29:51 GMT 2021 armv7l
Build Date	Feb 13 2021 16:31:40
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.3/fpm
Loaded Configuration File	/etc/php/7.3/fpm/php.ini
Scan this dir for additional .ini files	/etc/php/7.3/fpm/conf.d
Additional .ini files parsed	/etc/php/7.3/fpm/conf.d/10-opcache.ini, /etc/php/7.3/fpm/conf.d/10-pdo.ini, /etc/php/7.3/fpm/conf.d/20-calendar.ini, /etc/php/7.3/fpm/conf.d/20-ctype.ini, /etc/php/7.3/fpm/conf.d/20-exif.ini,

c. myadmin 링크
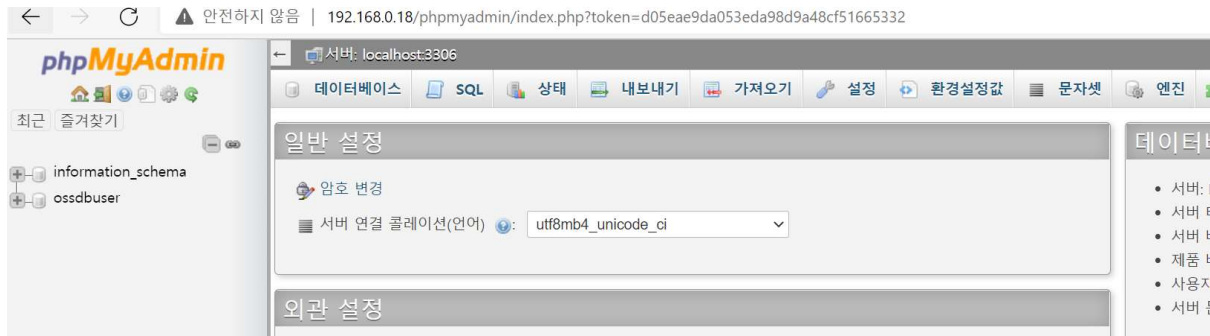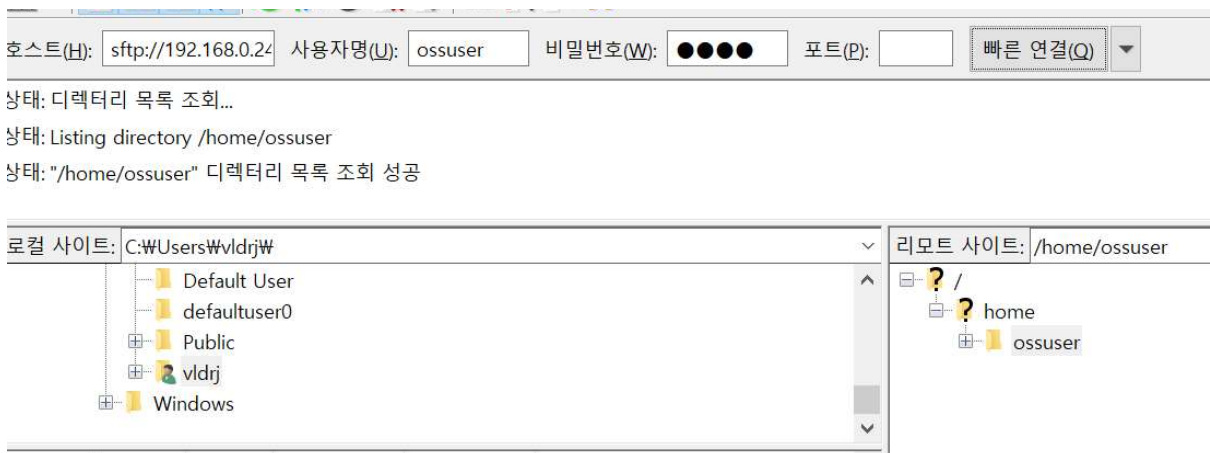
1_5. MySQL 데이터베이스 / 계정 추가

- ✓ create database ossdbuser default CHARACTER SET utf8;   (DB 추가)
- ✓ grant all on ossdbuser.* to ossdbuser@localhost identified by '1234';   (계정 추가)
- ✓ flush privileges;   (계정 권한 저장)
- ✓ quit;
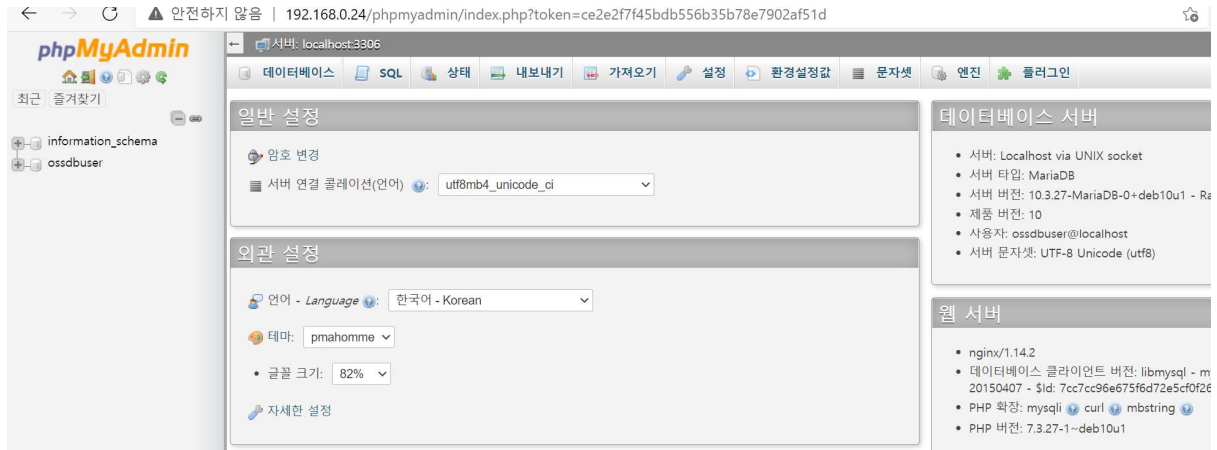- ✓ sudo mariadb -uossdbuser -p   (로그인 테스트)

1_5. 사용자 테스트

웹페이지 테스트

ftp 테스트

PhpMyAdmin 테스트

2. Batflat 과정별로 정리

Sudo apt search php | grep sqlite

Sudo apt install php7.3-sqlite3

➔ PHP와 SQLite 연동 모듈 설치과정

Useradd / passwd명령어로 bloguser 이름의 사용자와 비밀번호를 설정

```
root@raspberrypi:~# useradd -m bloguser
root@raspberrypi:~# cd /home
root@raspberrypi:/home# passwd bloguser
New password:
Retype new password:
passwd: password updated successfully
root@raspberrypi:/home# su - bloguser

SSH is enabled and the default password for the 'pi' user has not been changed.
This is a security risk - please login as the 'pi' user and type 'passwd' to set a new password.
```

wget으로 github 홈페이지의 zip파일을 home/bloguser/html 파일로 저장

unzip 명령어로 zip파일을 풀기

```
bloguser@raspberrypi:~/html $ ls
bloguser@raspberrypi:~/html $ wget https://github.com/sruupl/batflat/archive/master.zip
--2021-05-29 06:19:50--  https://github.com/sruupl/batflat/archive/master.zip
Resolving github.com (github.com)... 52.78.231.108
Connecting to github.com (github.com)|52.78.231.108|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://codeload.github.com/sruupl/batflat/zip/master [following]
--2021-05-29 06:19:51--  https://codeload.github.com/sruupl/batflat/zip/master
Resolving codeload.github.com (codeload.github.com)... 13.124.75.135
Connecting to codeload.github.com (codeload.github.com)|13.124.75.135|:443... connected.
HTTP request sent, awaiting response... 200 OK
```

```
bloguser@raspberrypi:~/html $ unzip master.zip
Archive:  master.zip
4b4f53c465fb932aac09e86a3e12f1bed04adc1e
```

chown명령어로 batflat의 소유권을 변경해주기

```
bloguser@HYUNUK:~ $ sudo chown -R www-data:www-data /home/bloguser/html/batflat
[sudo] password for bloguser:
bloguser@HYUNUK:~ $ ls -al
total 40
drwxr-xr-x 4 bloguser bloguser 4096 May 29 16:52 .
drwxr-xr-x 4 root     root     4096 May 29 16:45 ..
-rw------- 1 bloguser bloguser  272 May 29 16:52 .bash_history
-rw-r--r-- 1 bloguser bloguser  220 Apr 18  2019 .bash_logout
-rw-r--r-- 1 bloguser bloguser 3523 May  7 15:42 .bashrc
drwxr-xr-x 3 bloguser bloguser 4096 May 29 16:51 html
-rw-r--r-- 1 bloguser bloguser  807 Apr 18  2019 .profile
-rw------- 1 bloguser bloguser  739 May 29 16:49 .viminfo
-rw-r--r-- 1 bloguser bloguser  209 May 29 16:50 .wget-hsts
drwxr-xr-x 2 bloguser bloguser 4096 May 29 16:49 www
bloguser@HYUNUK:~ $ cd html
bloguser@HYUNUK:~/html $ ls -al
total 1400
drwxr-xr-x 3 bloguser bloguser    4096 May 29 16:51 .
drwxr-xr-x 4 bloguser bloguser    4096 May 29 16:52 ..
drwxr-xr-x 7 www-data www-data    4096 Jan 11 11:37 batflat
-rw-r--r-- 1 bloguser bloguser 1420580 May 29 16:50 master.zip
```

Cp 명령어 default를 mybatflat.com 파일로 변경하고 설정변경해준다

```
# You can move that to a different file under sites-available/ and symlink that
# to sites-enabled/ to enable it.
#
server {
        listen 80;
        listen [::]:80;
        server_name mybatflat.com;

        root /home/bloguser/www;
        index index.html index.php;

        client_max_body_size 100M;

        location / {
                try_files $uri $uri/ @handler;
        }

        location /admin {
                try_files $uri $uri/ /admin/index.php?$args;
        }

        location @handler {
                if(!-e $request_filename) { rewrite / /index.php last;}
                rewrite ^(.*.php)/ $1 last;
        }

        location ~ \.php$ 
                include snippets/fastcgi-php.conf;
                fastcgi_pass unix:/var/run/php/php7.3-fpm.sock;
                fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
                include fastcgi_params;

}
~
```
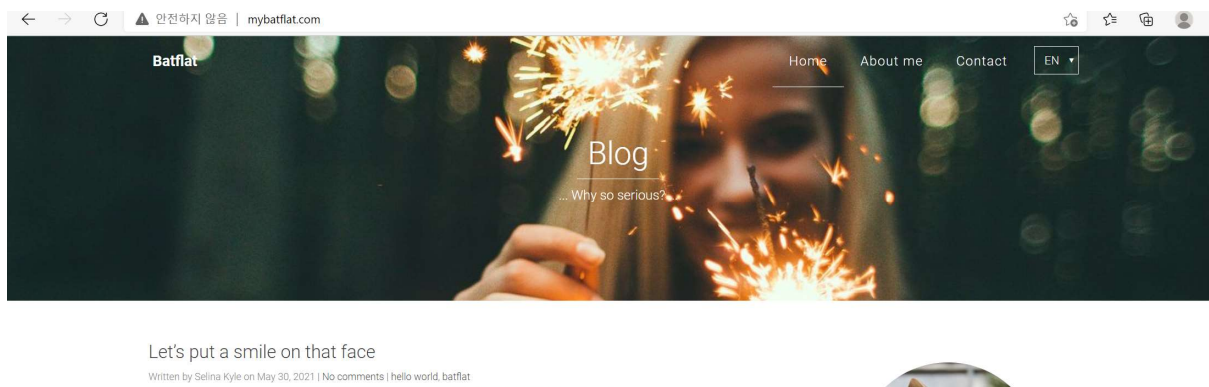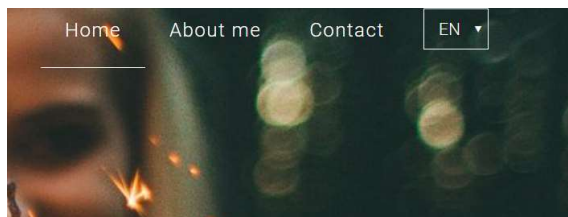
Ln -s 명령어로 /sites-availabe에 있는 mybatflat.com의 심볼릭 링크를 /sites-enabled에 mybatflat.com 이라는 이름으로 링크를 만들어준다.

```
root@raspberrypi:/etc/nginx/sites-enabled# ln -s /etc/nginx/sites-a*/mybatflat.com mybatflat.com
root@raspberrypi:/etc/nginx/sites-enabled# ls -al
total 8
drwxr-xr-x 2 root root 4096 May 30 11:06 .
drwxr-xr-x 8 root root 4096 May 30 09:51 ..
lrwxrwxrwx 1 root root   34 May 30 09:51 default -> /etc/nginx/sites-available/default
lrwxrwxrwx 1 root root   30 May 30 10:09 goodrpi.com -> ../sites-available/goodrpi.com
lrwxrwxrwx 1 root root   40 May 30 11:06 mybatflat.com -> /etc/nginx/sites-available/mybatflat.com
root@raspberrypi:/etc/nginx/sites-enabled# nginx -t
```

Mybatflat.com 페이지 로딩 성공

변경부분

Home   About m

Blog

... Why so serious?

Home   Ab

HYUNUK BLOG

StudentID = 21800201

Home   About me   Contact   EN ▾

Hyun Uk   Handong Univ   Major   EN ▾

SELINA KYLE PHOTOGRAPHER

My name is Selina Kyle but I speak for
Catwoman... A mon who can offer you a path.
Someone like you is only here by choice. You
have been exploring the criminal fraternity but
whatever your original intentions you have to
become truly lost.

KIMHYUNUK PHOTOGRAPHER

HYUNUK

HYUNUK BLOG

StudentID = 21800201

HYUNUK BLOG

StudentID = 21800201

Let's put a smile on that face

Written by Kimhyunuk on May 30, 2021 | hello world, batflat

OSS CMS SETTING COMPLETE

Written by Kimhyunuk on May 30, 2021 |