1. `sudo apt update && sudo apt upgrade`
2. Install Apache ```
    - `sudo apt install apache2`
    - browse http://127.0.0.1 to see if apache is up

3. Install PHP
    - `sudo apt install php libapache2-mod-php`
    - Install optional packages
        - `sudo apt install php-cli php-cgi php-mysql`
4. Install Mysql
    - `sudo apt install mysql-server`
    - change mysql `root` password

```
sudo mysql -u root
use mysql
UPDATE user SET plugin='mysql_native_password' WHERE User='root';
FLUSH PRIVILEGES;
exit

-- In bash
sudo mysql_secure_installation
```

5. Install phpmyadmin

- set up the phpmyadmin user in mysql

```
-- login as root
CREATE USER 'phpmyadmin'@'localhost' IDENTIFIED WITH 'caching_sha2_password'
BY 'Phpmy@dm1n';
GRANT ALL PRIVILEGES ON phpmyadmin.* TO 'phpmyadmin'@'localhost' WITH GRANT
OPTION;
```

- install phpmyadmin

```
sudo apt install phpmyadmin
```

- edit apache2 configuration file

```
sudo vim /etc/apache2/apache2.conf

#add this to last line
Include /etc/phpmyadmin/apache.conf
```

- restart apach

```
sudo service apache2 restart
```

- log into phpmyadmin

```
#browse to http://localhost/phpmyadmin
```

localhost/phpmyadmin/

phpMyAdmin
Welcome to phpMyAdmin

Language

English

Log in ⓘ

Username: phpmyadmin

Password:

Go