How to set up LAMP Stack

1. Download Ubuntu 22.04 ubuntu-22.04.1-desktop-amd64.iso image from <https://releases.ubuntu.com/22.04/>.
2. Create virtual machine with ubuntu iso.
3. Install Apache Web Server
   1. sudo apt install apache2
   2. sudo systemctl enable apache2 && sudo systemctl start apache2
4. Install PHP8.1 & Dependencies
   1. sudo apt-get install php8.1 php8.1-cli php8.1-common php8.1-mysql php8.1-xml php8.1-zip php8.1-mbstring php8.1-curl libapache2-mod-php
5. Install MariaDB
   1. sudo apt install mariadb-server
   2. sudo mysql\_secure\_installation
      1. Enter current password for root (enter for none): enter
      2. Switch to unix\_socket authentication: Y
      3. Change the root password: Y
         1. Set password
      4. Remove anonymous users: Y
      5. Disallow root login remotely: Y
      6. Remove test database and access to it: Y
      7. Reload privilege tables now: Y
   3. sudo systemctl start mariadb.service
   4. sudo systemctl enable mariadb.service
6. Create database
   1. Download inject.sql and xss.sql from github
   2. Login to mysql with “mysql -u root -p” (password)
   3. CREATE DATABASE injection;
   4. source inject.sql;
   5. CREATE USER ‘inject’@’localhost’ IDENTIFIED BY ‘inject’;
   6. GRANT ALL PRIVILEGES ON \*.\* TO ‘inject’@’localhost’’;
   7. CREATE DATABASE xss;
   8. source xss.sql;
   9. CREATE USER ‘xss’@’localhost’ IDENTIFIED BY ‘xss’;
   10. GRANT ALL PRIVILEGES ON \*.\* TO ‘xss’@’localhost’’;
   11. sudo systemctl restart apache2
7. Place web files in /var/www/html/
8. Go to <http://localhost/inject> or <http://localhost/xss> for the two websites