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. Forge123
      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. Make directory for Inventory Forge
   1. sudo mkdir /var/www/html/InventoryForge
7. Create Apache Virtual Host File
   1. sudo mv /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/forge.conf
   2. Open forge.conf in text editor with sudo
      1. Change DocumentRoot to /var/www/html/InventoryForge
   3. sudo a2ensite forge.conf
   4. apachectl -t
   5. sudo systemctl restart apache2
8. Create database
   1. Download database\_create.sql from github
   2. Login to mysql with “mysql -u root -p” (password Forge123)
   3. Run “source database\_create.sql”