ASSIGNMENT

SUBJECT: NETWORKING AND SYSTEM ADMINISTRATION LAB

TOPIC: LAMP INSTALLATION PROCEDURE

SUBMITTED ON:

30-09-2021

SUBMITTED BY:

ASHA S

ROLL NO: 26

BATCH: A

REGULAR MCA

SUBMITTED TO:

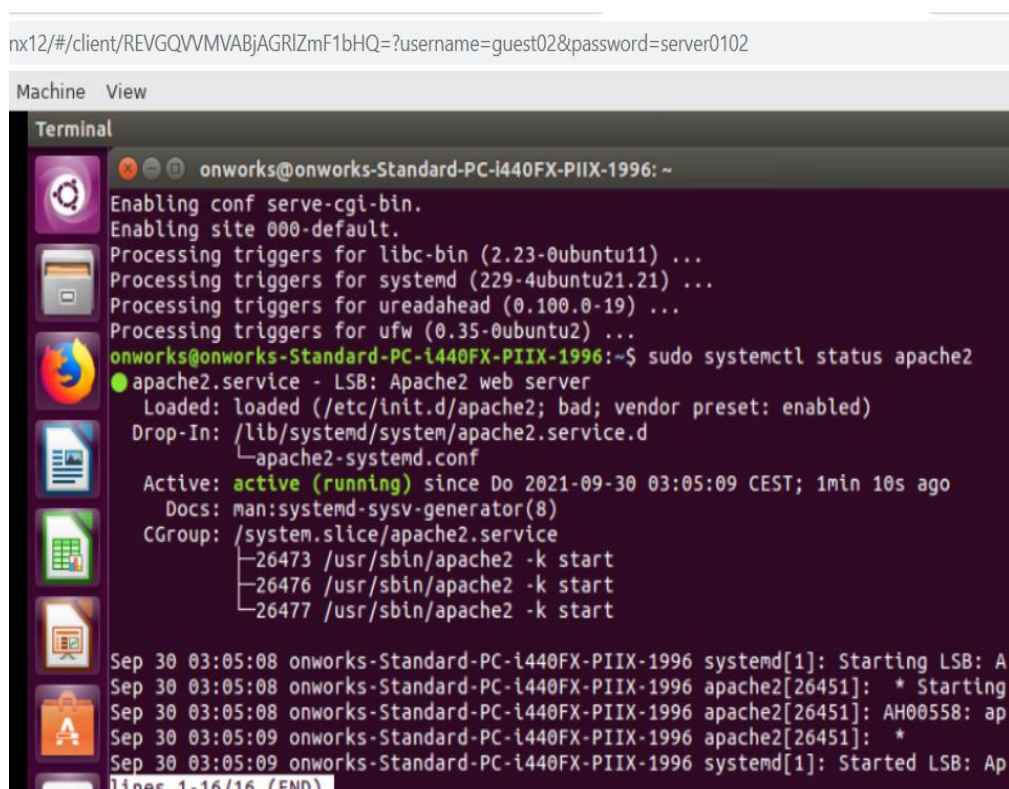**MEERA ROSE MATHEW**

The name LAMP is an acronym of the following programs:
  Linux Operating System
  Apache HTTP Server
  MySQL database management system
  PHP programming language

Install Apache

- **Update your system**
  - sudo apt update

- **Install Apache using apt:**
  - sudo apt install apache2

- **Confirm that Apache is now running with the following command:**
  - sudo systemctl status apache2

- **if it is not working**
  - sudo systemctl start apache2

- **Once installed, test by accessing your server's IP in your browser:**

- http://youripaddress

  -

  - *(find out your ip address using iffconfig)*

Install MariaDB

- MariaDB is a fork of MySQL from some of the original MySQL team and is a drop-in replacement.

  sudo apt install mariadb-server mariadb-client

- Check mariadb Installation
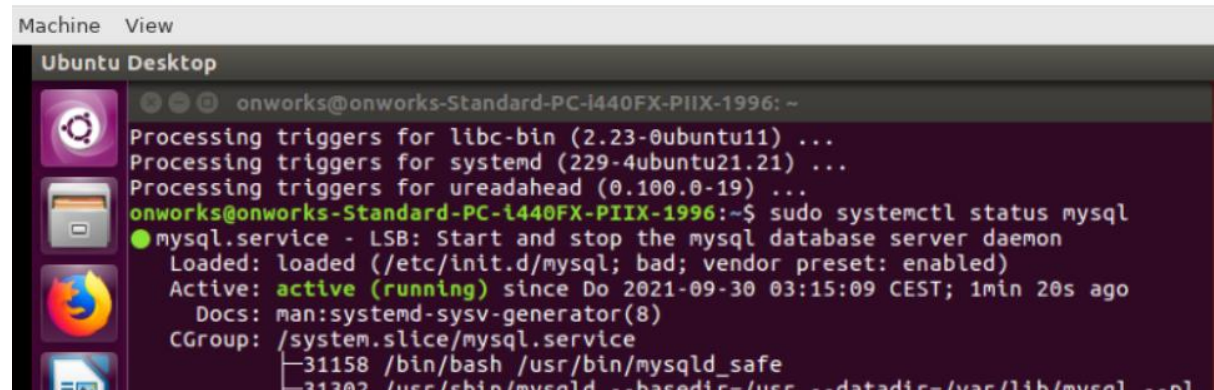
  sudo systemctl status mysql

  (if it is not working sudo systemctl start mysql)

- Secure your newly installed MariaDB service:

  sudo mysql_secure_installation

- (This will set password for mariadb, and strengthen the security by asking

- some questions like disallow root login remotely? Remove test database? Etc)

Install PHP and commonly used modules

- ○ sudo apt install php libapache2-mod-php php-opcache php-cli php-gd php-curl
- ○ php-mysql

- **Restart apache2**
  - ○ sudo systemctl restart apache2

- **Now you can check php installation**
  - ○ sudo echo "<?php phpinfo(); ?>" | sudo tee -a /var/www/html/phpinfo.php >
  - ○ /dev/null

- **Open a browser**

- ○ http://127.0.0.1/phpinfo.php

Install phpmyadmin

- ● **Install phpmyadmin**
    - ○ sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl
    - ○ (It ask for webserver select apache2, select db configuration and set password)

- ● **Restart apache2**
    - ○ sudo systemctl restart apache2

- ● **Check phpmyadmin**

- ● **Open a browser**
    - ○ http://localhost/phpmyadmin

If "phpmyadmin is not found error"

- ○ **sudo -H gedit /etc/apache2/apache2.conf**

Then add the following line to the end of the file:

- ○ **Include /etc/phpmyadmin/apache.conf**

Then restart apache:

- ○ **sudo systemctl restart apache2**

Then install phpmyadmin again

- ○ **sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl**

If "phpmyadmin is not found error"

- ○ **sudo -H gedit /etc/apache2/apache2.conf**

Then add the following line to the end of the file:

- ○ **Include /etc/phpmyadmin/apache.conf**

Then restart apache:

- ○ **sudo systemctl restart apache2**

Then install phpmyadmin again

- ○ **sudo apt install phpmyadmin php-mbstring php-zip php-gd php-json php-curl**

Welcome to phpMyAdmin

Language

English

Log in ⓘ

Username: admin

Password: ••••••

Go

→ 📭 Server: localhost:3306

◀ 🗄 **Databases** | 📄 **SQL** | 📊 **Status** | 📤 **Export** | 📥 **Import** | 🔧 **Settings** | ◇ ▶

General settings

🔑 Change password

☰ Server connection collation ⓘ : utf8mb4_unicode_ci

Appearance settings

🔧 Language ⓘ English

🎨 Theme: pmahomme

• Font size: 82%

🔧 More settings

Database server

Console