**LAMP & LEMP Installation in Ubuntu**

**LAMP Definition:**

LAMP is an open source Web development platform that uses Linux as the operating system, Apache as the Web server, MySQL as the relational database management system and PHP as the object-oriented scripting language.

**LEMP Definition:**

LEMP (also known as LNMP) is a group of open-source software which enable a server to host dynamic websites and web applications. It consists of the Linux operating system, the (E)Nginx web server (which replaces the Apache component of a LAMP stack), the MySQL relational database management system, and the PHP programming language.

To update all the packages use the below command

* apt-get update

For installing the lamp server follow the below steps.

* apt-get install tasksel
* tasksel (if you enter tasksel it displays a window)
* Select LAMP Server and then click ok.
* Give the mysql password and proceed next.
* Lamp configuration is completed and check your versions. It configures the latest versions.
* To check Apache Version (apache2 –v)
* To check Mysql version (mysql –V)
* To check PHP version (php –v)
* The default deployment path for apache webserver is /var/www/html
* For php info page we need to create one file under the deployment directory.

vi info.php (and place the following code in that file)

 <?**php** phpinfo(); ?>

* For accessing phpinfo page in browser use the below format.

<http://IP> Address/info.php

**To install phpMyadmin**

* apt-get install phpmyadmin

It will prompt a window and select the apache web server and proceed next.

* To access phpmyadmin page in browser.

<http://IP> Address/phpmyadmin

**To install JDK**

* apt-get install default-jdk
* To check java version ( java –version)

**To install Nginx**

* apt-get install Nginx

**To Configure WordPress:**

First we need to download the wordpress file and extract.

* wget <https://wordpress.org/latest.zip>
* for unzip use the command ( unzip filename)
* If the unzip package is not found you can install using the following command

apt install unzip

* Now you can a wordpress folder. Navigate to wordpress folder and give the db connections in wp-config.php file.