1. *The LEMP stack (Linux, Nginx, MariaDB, and PHP) is a popular server configuration for developing and hosting web applications.*
2. *The LEMP stack is a common variant in which the Apache web server is replaced by NGINX.*
3. *The LEMP software stack is a group of software that can be used to serve dynamic web pages and web applications.*
4. *This is an acronym that describes a Linux operating system, with an Nginx (pronounced like “Engine-X”) web server.*
5. *The backend data is stored in the MariaDb database and the dynamic processing is handled by PHP.*

***Now install Nginx server***

apt install nginx -y

ufw allow 'Nginx HTTP'

***Now install MariaDB-Server***

apt install mariadb-server mariadb-client -y

mysql\_secure\_installation

***Now create a database and user.***

mysql -u root -p

*CREATE DATABASE deepak;*

*CREATE USER 'deep'@'localhost' IDENTIFIED BY 'temp';*

*GRANT ALL PRIVILEGES ON deepak.\* TO 'deep'@'localhost';*

*FLUSH PRIVILEGES;*

*EXIT*

Install the PHP Fast CGI Processing Manager, which includes the core PHP dependencies also additional helper package, php-mysql, which will allow PHP to communicate with your database backend. The installation will pull in the necessary PHP core files

apt install php-fpm php-mysql -y

systemctl start php7.2-fpm

***Now create website and also install phpmyadmin for web interface***

mkdir -p /var/www/html/deep.com

vi /var/www/html/deep.com/index.html

chmod -Rf 775 /var/www/html/deep.com/

*Add the content, which was taken and slightly modified from the default server block configuration file, to your new server block configuration file*

*vi /etc/nginx/sites-available/deep.com.conf*

server {

listen 80;

root /var/www/html/deep.com;

index index.php index.html index.htm index.nginx-debian.html;

server\_name deep.com www.deep.com;

location / {

try\_files $uri $uri/ =404;

}

location ~ \.php$ {

include snippets/fastcgi-php.conf;

fastcgi\_pass unix:/var/run/php/php7.2-fpm.sock;

}

location ~ /\.ht {

deny all;

}

}

***Now remove the default symlink in sites-enabled directory by running the following command.***

*unlink /etc/nginx/sites-enabled/default*

*Enable your new server block by creating a symbolic link from your new server block configuration file to the /etc/nginx/sites-enabled/*

ln -s /etc/nginx/sites-available/deep.com.conf /etc/nginx/sites-enabled/

***Every-thing is ok or not, check syntax by using***

nginx -t

***Now install phpMyAdmin***

apt install phpmyadmin -y

***Do not select Apache or Light-http. Because We are using Nginx as web server, Then Press tab and then OK to advance to the next step.***

***we need to create a symbolic link from the installation files to Nginx's document root directory***

ln -s /usr/share/phpmyadmin /var/www/html/deep.com/

***now access your web using***

http://deep.com/phpmyadmin

will show page like below enter your DB user \_name and password.

