EVALUATION :

how to install LAMP on linux environment :

step 1: Install Apache

sudo apt update && sudo apt install apache2

step2 : Do you want to continue: Y

step3 : configure firewall

sudo ufw allow OpenSSH

add firewall for apache:

sudo ufw allow in "Apache Full"

enable the firewall:

sudo ufw enable

check current firewall status:

sudo ufw status

step4:test apache:

sudo service apache2 status

step6:enter ip addresss in address bar:

ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\/.\*$//'

INSTALL MYSQL:

step 1: sudo apt update && sudo apt install mysql-server

step2:once package is installed

sudo service mysql status

step3:configure mysql security

sudo mysql\_secure\_installation

step4: **Press ENTER if you don’t want to set up the validate password plugin.**

**yes**

**step5:create root password:**

**new password:root**

**reenter new password:root**

**step6:** Remove anonymous users? (Press y|Y for Yes, any other key for No) :

y

step7: Disallow root login remotely? (Press y|Y for Yes, any other key for No) :

y

step8: Remove test database and access to it? (Press y|Y for Yes, any other key for No) :

step9: Reload privilege tables now? (Press y|Y for Yes, any other key for No) :

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phpmyadmin installation:

step 1: install phpmyadmin

sudo apt update

step2: configure phpmyadmin

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

step3: abort process

step4: open mysql prompt

sudo mysql

step5: authentication for the root mysql user

mysql -u root -p

step6:validate password components

UNINSTALL COMPONENT "file://component\_validate\_password";

step6:close mysql client

exit

step7:php packages again install

sudo apt install phpmyadmin

step 8: Once phpMyAdmin is installed, you can open the MySQL prompt once again with sudo mysql or mysql -u root -p and then run the following command to re-enable the Validate Password component:

INSTALL COMPONENT "file://component\_validate\_password";

step9:  restart Apache for your changes to be recognized:

sudo systemctl restart apache2

### step10: Configuring Password Access for the MySQL Root Account

step10: log in to phpMyAdmin as your **root** MySQL user

sudo mysql

step11: authentication method each of your MySQL user accounts use with the following command:

SELECT user,authentication\_string,plugin,host FROM mysql.user;

step12: changing password strength in mysql user authentication.

SHOW VARIABLES LIKE 'validate\_password%';

SET GLOBAL validate\_password\_policy=2;

step13: Create User

CREATE USER 'aditisql'@'localhost' BY 'Aditi@sql';

step14:  grant your new user appropriate priviledges:

GRANT CREATE, ALTER, DROP, INSERT, UPDATE, DELETE, SELECT, REFERENCES, RELOAD on \*.\* TO 'aditisql'@'localhost';

step15: exit the MySQL

exit

step16: access the web interface by visiting your server’s domain name or public IP address followed by /phpmyadmin:

https://localhost/phpmyadmin

step17:s