| Expt. No. | |
|---|---|
| 8 | Name : Piyush Pandurang Burate    Class : TYCS    Roll No.: 523 |
| Date | Title of Experiment : My SQL server and PhpMyAdmin |
| 13-9-2023 | Sub titles : Assignment/ Problem Solution, Flow chart/Algorithm, Problem Listing, Input Screen, Output Screen, Comments (If any) |

**Aim :-** Install MySQL to configure database server, install phpMyAdmin to operate MySQL on Web browser from clients.

**Theory :-**

- MySQL is a database management system, or database server. pp phpMyAdmin is a web application that manages MySQL databases.

- phpMyAdmin is written in PHP and is used to perform administration tasks like creating databases, running queries, and adding user accounts. phpMyAdmin is the most popular MySQL administration tool and is used by millions of users worldwide.

- MySQL is developed, distributed and supported by Oracle Corporation. phpMyAdmin is a free and open source tool.

- For phpMyAdmin usage MySQL must be preinstalled.

Remark

Signature

- **Installation and Setup**

**Step 1 :** Install MySQL server
=> $ sudo apt install mysql-server.
- You may ask few questions while installing and to set set root password.

**Step 2:** Install phpMyAdmin
=> $ sudo apt install phpmyadmin
Select apache2 server while installing

**Step 3:** Configure phpMyAdmin
- Add following code at line 8 in the file /etc/phpmyadmin/apache.conf
=> Require ip 127.0.0.1 <your-ip-address>.0/24

**Step 4:** Link phpMyAdmin and Apache
=> $ sudo ln -s /etc/phpmyadmin/apache-conf
/etc/apache2/conf-available/phpmyadmin.conf
=> $ sudo ln -s /usr/share/phpmyadmin
/var/www/html/phpmyadmin
=> $ sudo service apache2 restart.

**Step 5:** Now phpMyAdmin can be accessible in browser & on http://localhost/phpmyadmin

```
root@ammar-VirtualBox:~# apt-get -y install slapd ldap-utils
root@ammar-VirtualBox:~# slapcat
dn: dc=nodomain
objectClass: top
objectClass: dcObject
objectClass: organization
o: nodomain
dc: nodomain
structuralObjectClass: organization
entryUUID: 8a3c30ea-e663-103d-8ecb-9d6a90610b99
creatorsName: cn=admin,dc=nodomain
createTimestamp: 20230913092744Z
entryCSN: 20230913092744.969998Z#000000#000#000000
modifiersName: cn=admin,dc=nodomain
modifyTimestamp: 20230913092744Z
root@ammar-VirtualBox:~# nano base.ldif
root@ammar-VirtualBox:~# apt-get -y install mysql-server-5.7
Reading package lists... Done
root@ammar-VirtualBox:~# apt-get update
Hit:1 http://security.ubuntu.com/ubuntu xenial-security InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu xenial InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu xenial-updates InRelease
Hit:4 http://in.archive.ubuntu.com/ubuntu xenial-backports InRelease
Reading package lists... Done
root@ammar-VirtualBox:~# mysql -u root -p
Enter password: admin123
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 4
```

```
mysql> select user,host from mysql.user;

+-------------------+-----------+
| user              | host      |
+-------------------+-----------+
| debian-sys-maint  | localhost |
| mysql.session     | localhost |
| mysql.sys         | localhost |
| root              | localhost |
+-------------------+-----------+
4 rows in set (0.00 sec)


mysql> exit
Bye
```
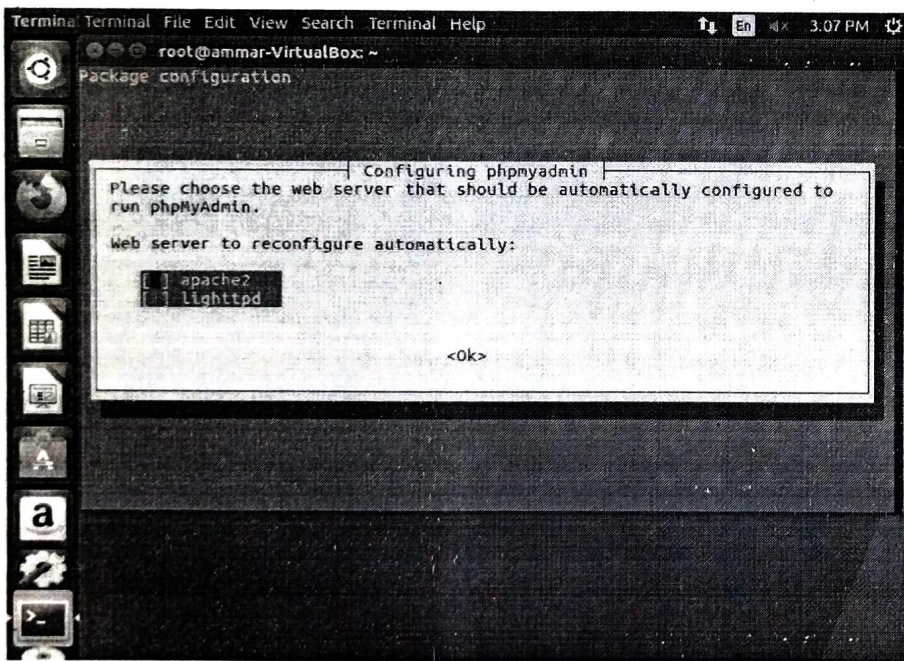
**root@ammar-VirtualBox:~# apt-get -y install phpmyadmin php-mbstring php-gettext**



**root@ammar-VirtualBox:~# apt-get update**

**root@ammar-VirtualBox:~# apt-get -y install phpmyadmin php-mbstring php-gettext**

**root@ammar-VirtualBox:~# nano /etc/phpmyadmin/apache.conf**

```
# line 8: add access permission
```

Require ip 127.0.0.1  **192.168.56.101/24**

**root@ammar-VirtualBox:~# systemctl restart apache2**

```
root@ammar-VirtualBox:~# sudo ln -s /etc/phpmyadmin/apache.conf
/etc/apache2/conf-available/phpmyadmin.conf

root@ammar-VirtualBox:~# sudo a2enconf phpmyadmin.conf


root@ammar-VirtualBox:~# service apache2 reload
```

##Go to firefox and type "http://192.168.56.101/phpmyadmin/"