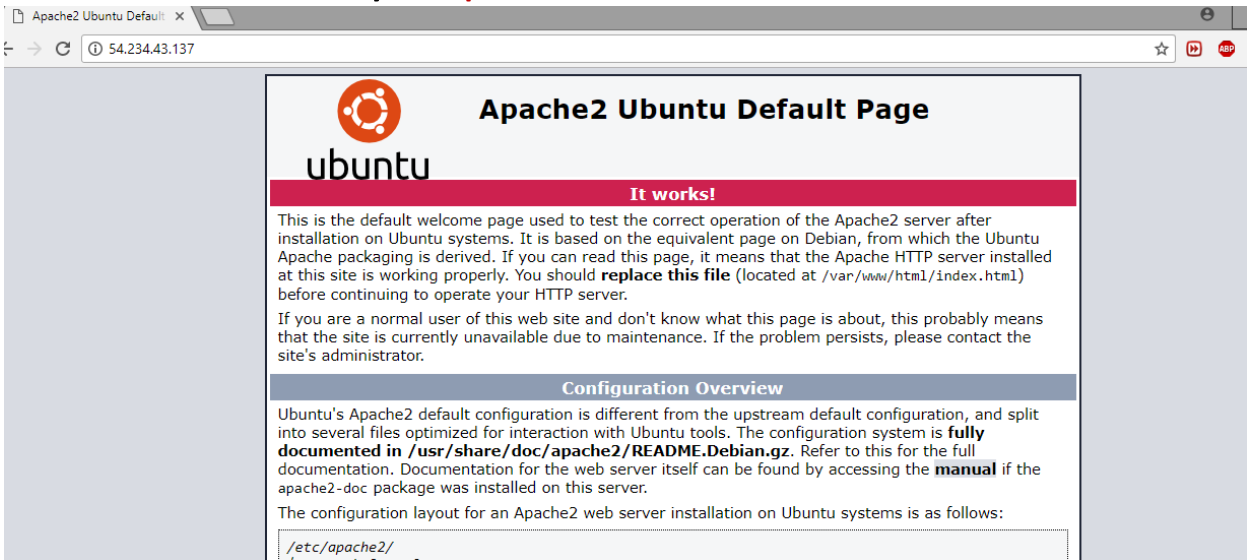


Installation of Apache, PHP, MySQL, & phpMyAdmin on Ubuntu

1. `apt-get update`
2. `apt-get install apache2 -y`
3. now add rule as 80 in SG of ur instance and check apache2 installed or not by ur **public IP:80**



4. `apt-get install php php-cgi libapache2-mod-php php-common php-pear php-mbstring`
5. `yes`
6. it will install latest version of PHP that is PHP 7.0
7. `php -version`

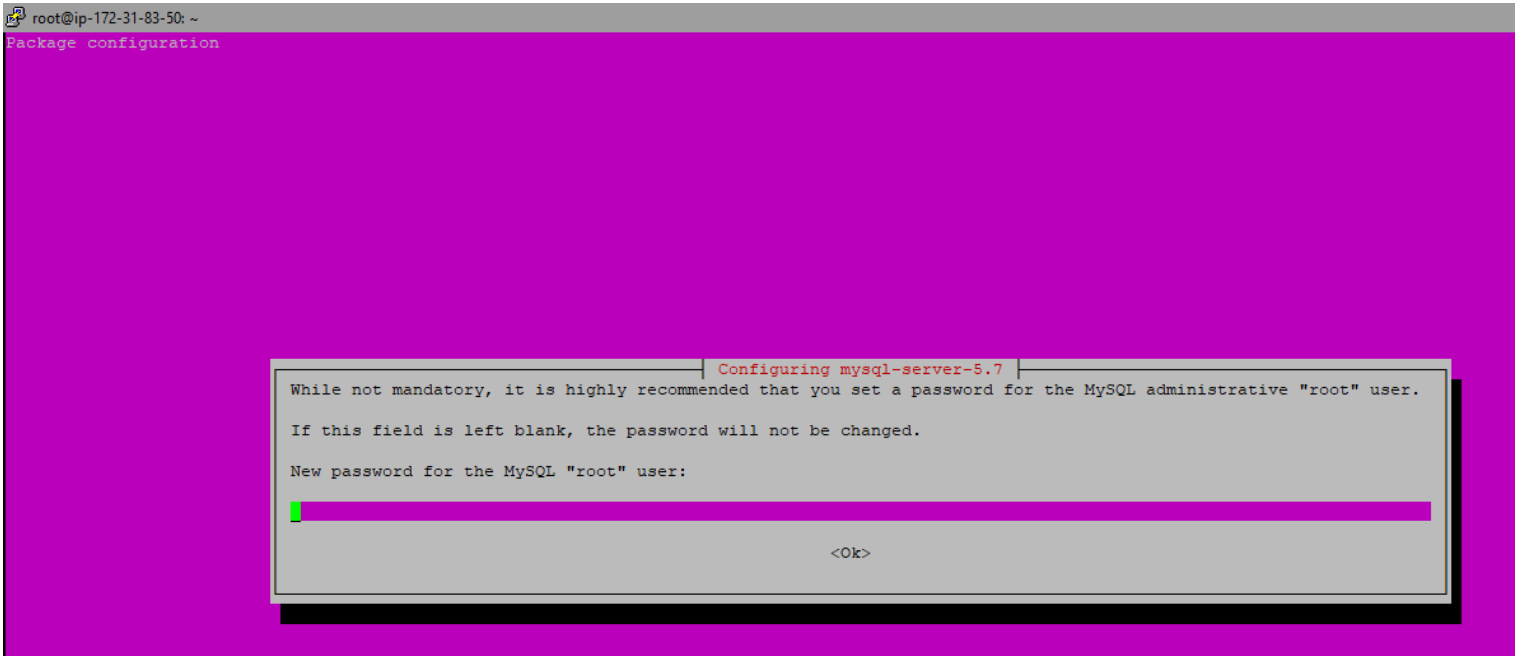
```
root@ip-172-31-83-50: ~  
root@ip-172-31-83-50:~# php --version  
PHP 7.0.28-0ubuntu0.16.04.1 (cli) ( NTS )  
Copyright (c) 1997-2017 The PHP Group  
Zend Engine v3.0.0, Copyright (c) 1998-2017 Zend Technologies  
with Zend OPcache v7.0.28-0ubuntu0.16.04.1, Copyright (c) 1999-2017, by Zend Technologies  
root@ip-172-31-83-50:~#
```

- 8.
9. check php is installed or not `man php`

10.

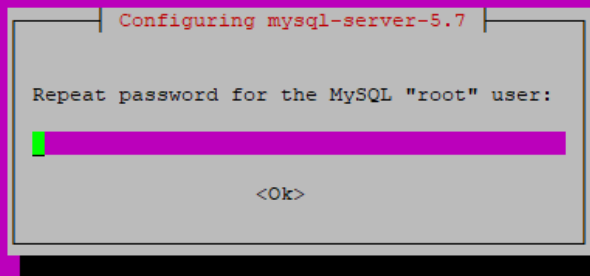
```
root@ip-172-31-83-50: ~  
php(1) Scripting Language  
  
NAME  
    php - PHP Command Line Interface 'CLI'  
    php-cgi - PHP Common Gateway Interface 'CGI' command  
  
SYNOPSIS  
    php [options] [ -f ] file [--] args...  
    php [options] -r code [--] args...  
    php [options] [-B begin code] -R code [-E end code] [--] args...  
    php [options] [-B begin code] -F file [-E end code] [--] args...  
    php [options] -- [ args...]  
    php [options] -a  
    php [options] -S addr:port [-t docroot]
```

- 11. apt-get install mysql-server
- 12. y
- 13. it will ask for the root password



Repeat password

root@ip-172-31-83-50: ~
Package configuration



12. now u can check mysql installed or not -> **man mysql**

13. **mysql**

```
root@ip-172-31-83-50: ~  
root@ip-172-31-83-50:~# mysql  
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)  
root@ip-172-31-83-50:~#
```

14. giving access to my sql

15. **mysql -u root -p** → it will ask for the password

16. enter ur password → it will login into ur sql

```
root@ip-172-31-83-50:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.21-0ubuntu0.16.04.1 (Ubuntu)

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Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

Now u can create data base and run the sql Queries

Now create one database → create database <databasename>

Create database books

```
mysql> create database books;
Query OK, 1 row affected (0.00 sec)
```

With help of show databases;

We get the all databases in ur sql

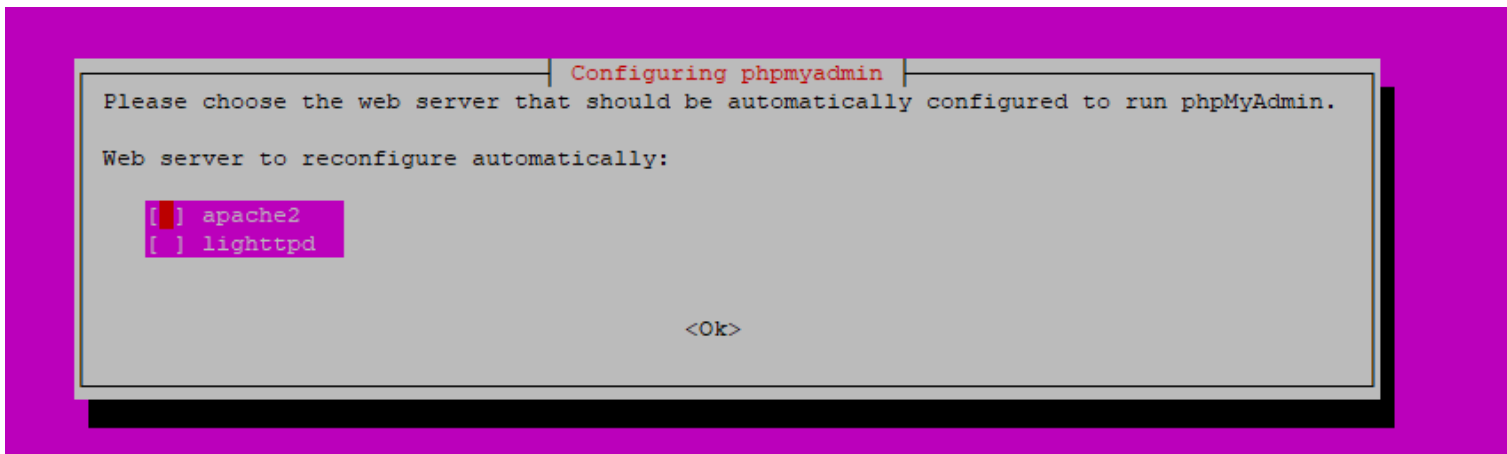
```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| books |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)
```

Exit from the mysql → exit → it will be in root

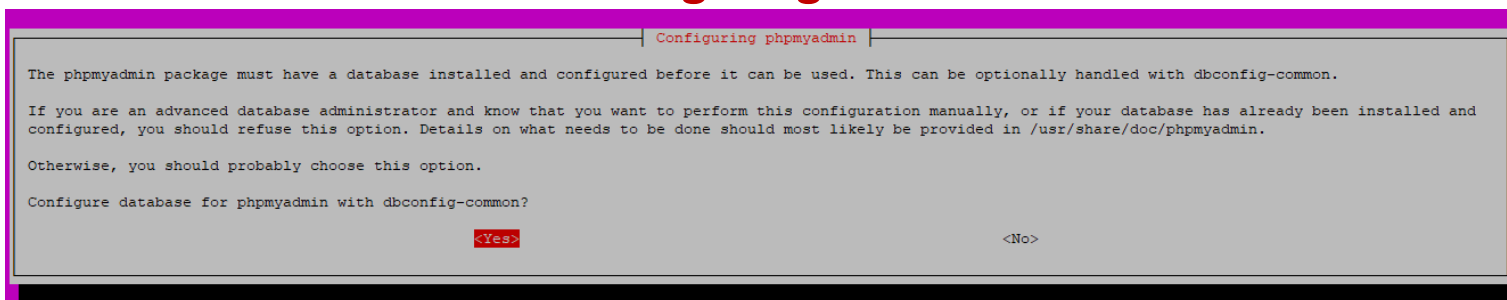
Now install php myadmin →

apt-get install phpmyadmin → y

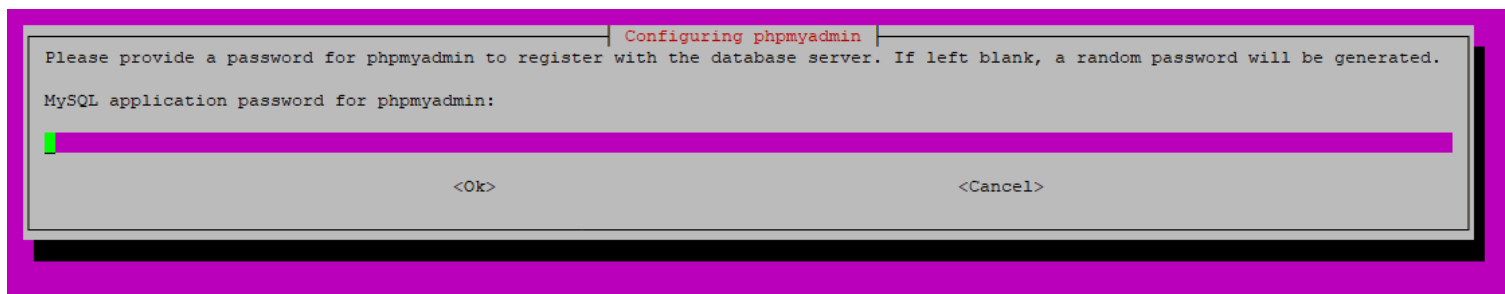
Automatically it will ask for the web server → choose apache2 → ok



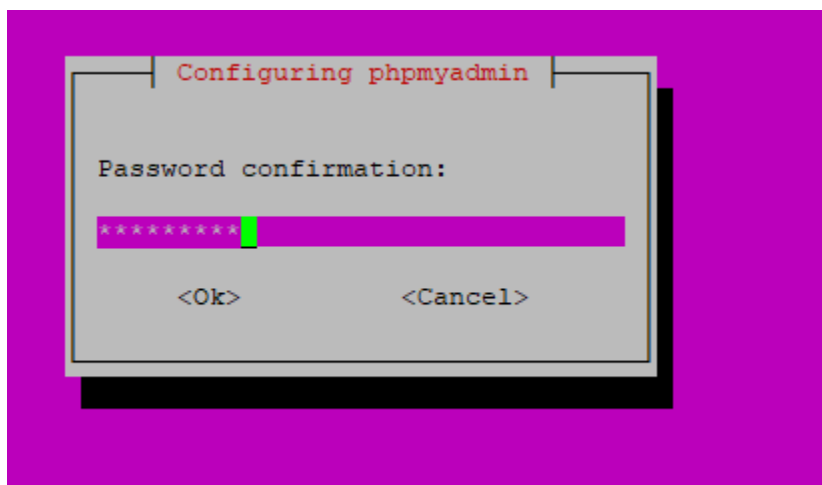
And also it will ask for the configuring the database



Yes → then give user mysql password to phpmysql



Password confirmation → again enter the password of mysql and ok



Go to web page → `lp/phpmyadmin`

<http://54.234.43.137/phpmyadmin/>

it displays apache2 run at port 80 → need to troubleshoot this

<https://askubuntu.com/questions/771441/ubuntu-linux-16-04-lts-localhost-phpmyadmin-empty>

so go to ur terminal run →

```
nano /etc/apache2/apache2.conf
```

it will open the file and Then add the following line to the end of the file.

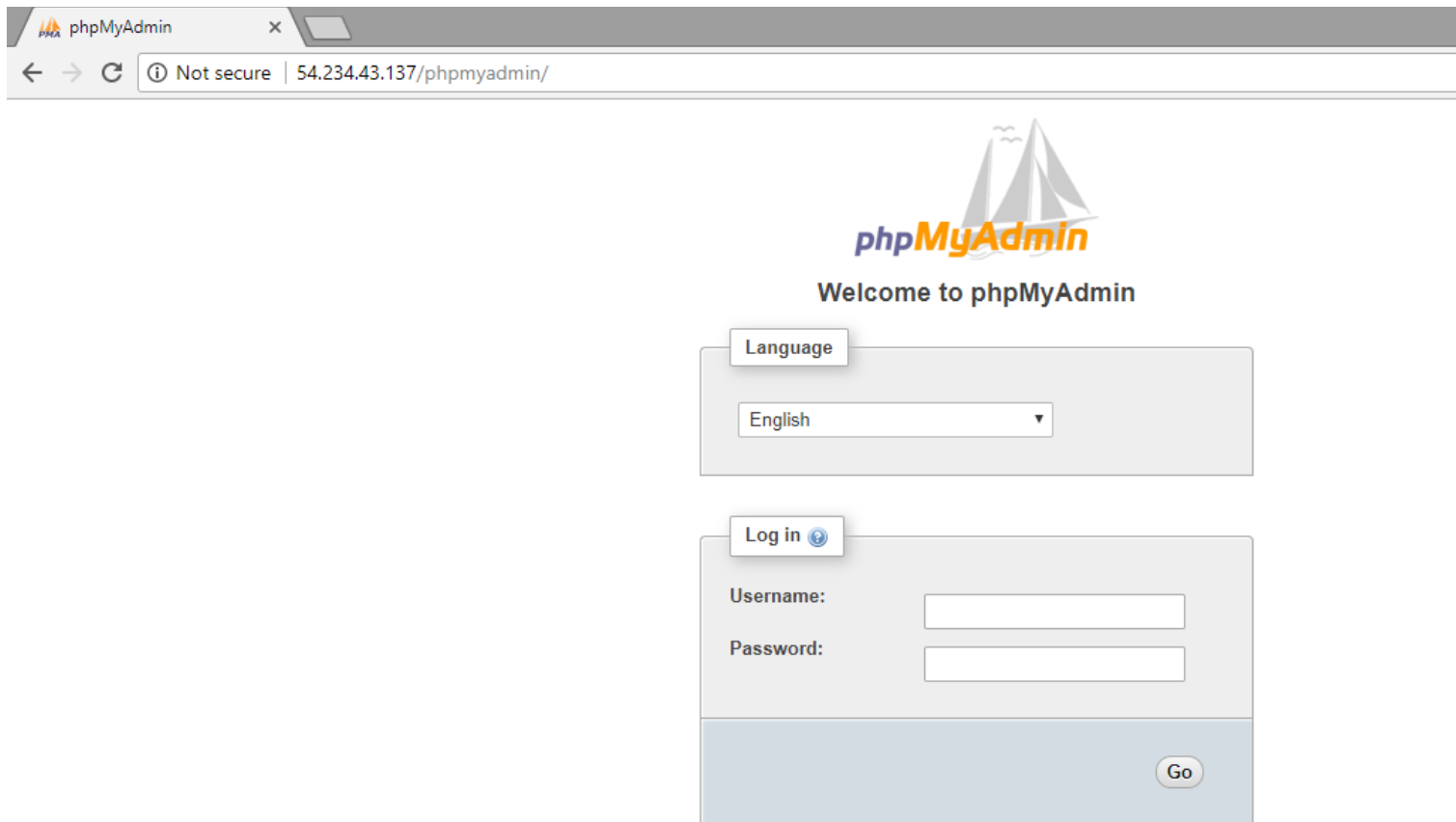
```
Include /etc/phpmyadmin/apache.conf → and then save the file → ctrl+x
```

Then restart apache

```
/etc/init.d/apache2 restart
```

Now open the web

<http://54.234.43.137/phpmyadmin/>



The screenshot shows a web browser window with the title 'phpMyAdmin'. The address bar displays '54.234.43.137/phpmyadmin/' with a 'Not secure' warning. The page content features the phpMyAdmin logo (a sailboat) and the text 'Welcome to phpMyAdmin'. Below this, there is a 'Language' dropdown menu set to 'English'. Further down is a 'Log in' section with input fields for 'Username:' and 'Password:', and a 'Go' button at the bottom right.

Give the mysql username and password

54.234.43.137 / localhost X

54.234.43.137/phpmyadmin/index.php?token=d6612ddecaad330a64bd8448a193556

phpMyAdmin

Recent Favorites

New

books

information_schema

mysql

performance_schema

phpmyadmin

sys

Server: localhost

DatabasesSQLStatusUser accountsExportImportSettingsReplicationVariablesCharsetsMore

General settings

Change password

Server connection collation utf8mb4_unicode_ci

Appearance settings

Language English

Theme pmahomme

Font size 82%

More settings

Database server

Server: Localhost via UNIX socket

Server type: MySQL

Server version: 5.7.21-0ubuntu0.16.04.1 - (Ubuntu)

Protocol version: 10

User: root@localhost

Server charset: UTF-8 Unicode (utf8)

Web server

Apache/2.4.18 (Ubuntu)

Database client version: libmysql - mysqlnd 5.0.12-dev - 20150407 - \$Id: b5c5906d452ec590732a93b051f3827e02749b83 \$

PHP extension: mysqli

PHP version: 7.0.28-0ubuntu0.16.04.1

phpMyAdmin

Version information: 4.5.4.1deb2ubuntu2

Documentation

Wiki

Official Homepage

Contribute

Get support

List of changes

Console