

Experiment No.5

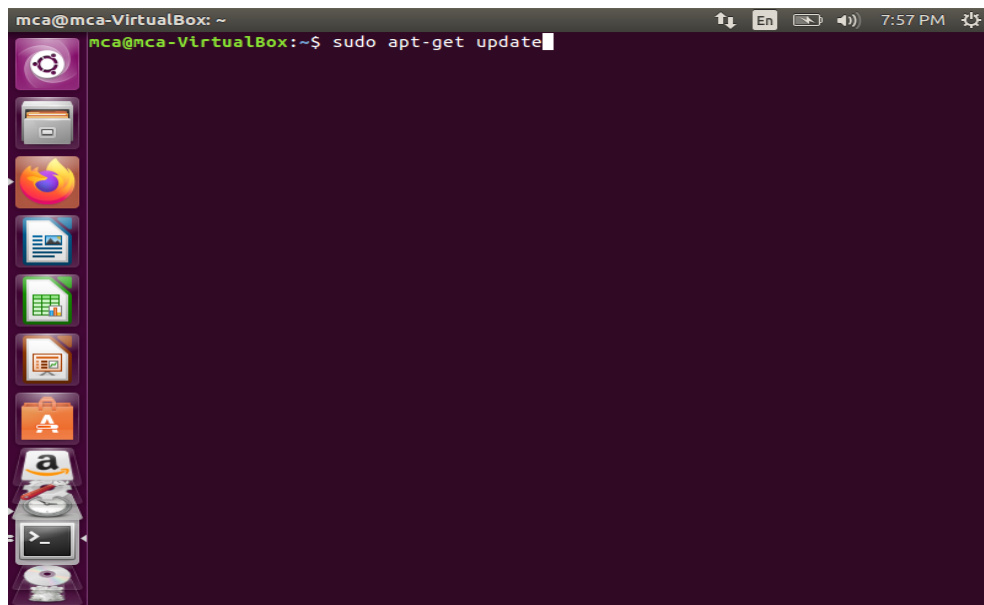
Aim

Installation and configuration of LAMP stack. Deploy an open source application such as phpmyadmin and WordPress.

Procedure

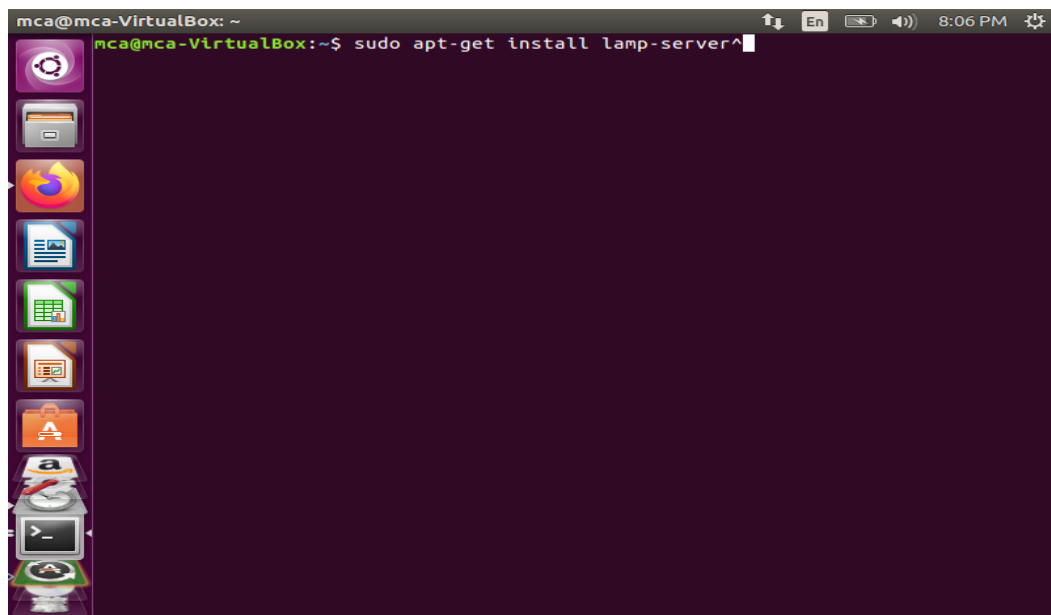
Step 1 : First refresh your package index

\$ sudo apt-get update

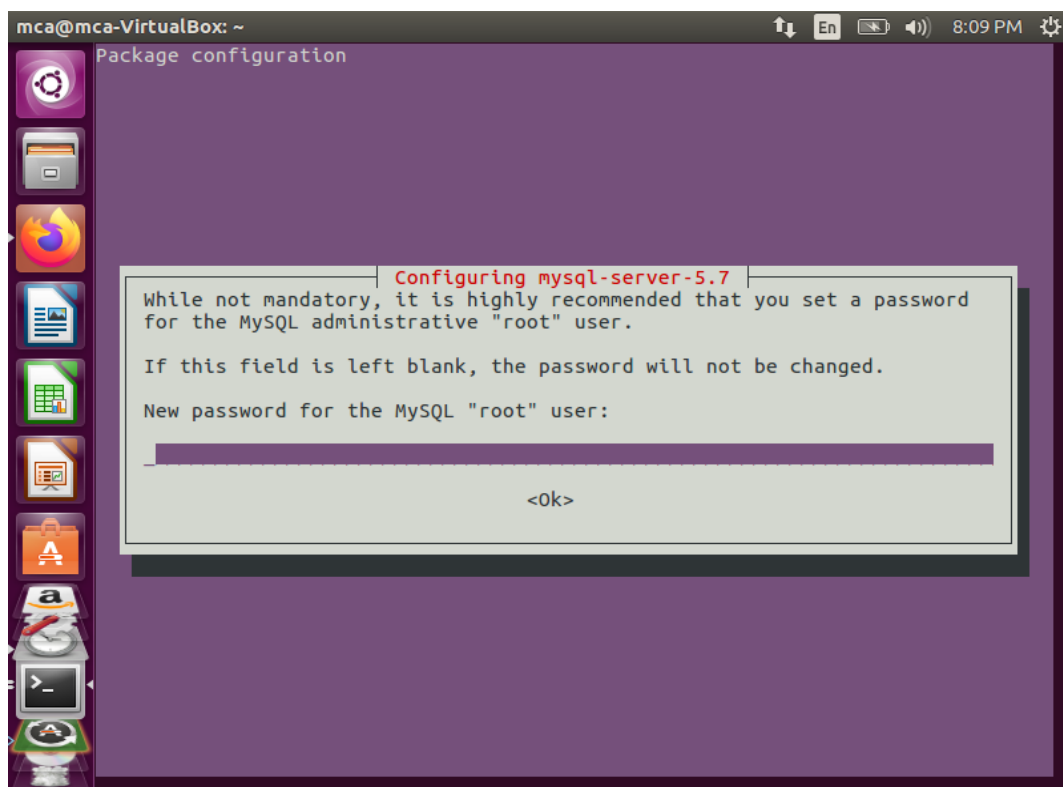


Step 2 : Install the LAMP stack

\$ sudo apt-get install lamp-server^

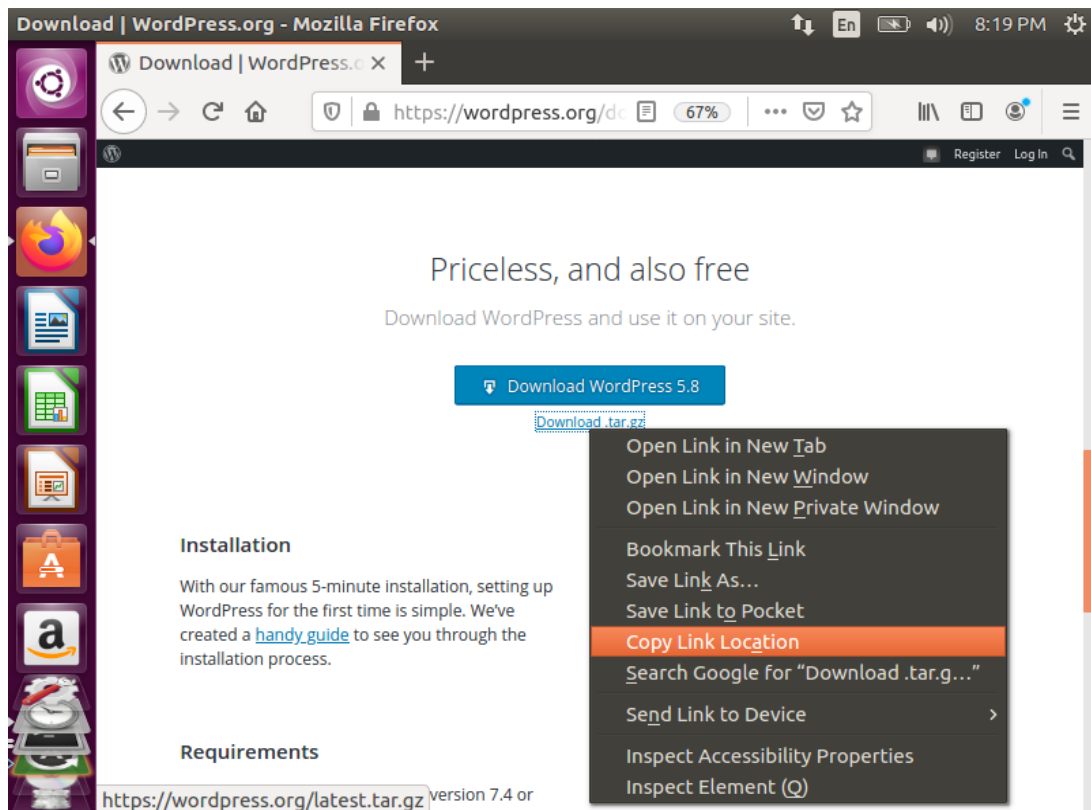


- Set the password for MySQL root user



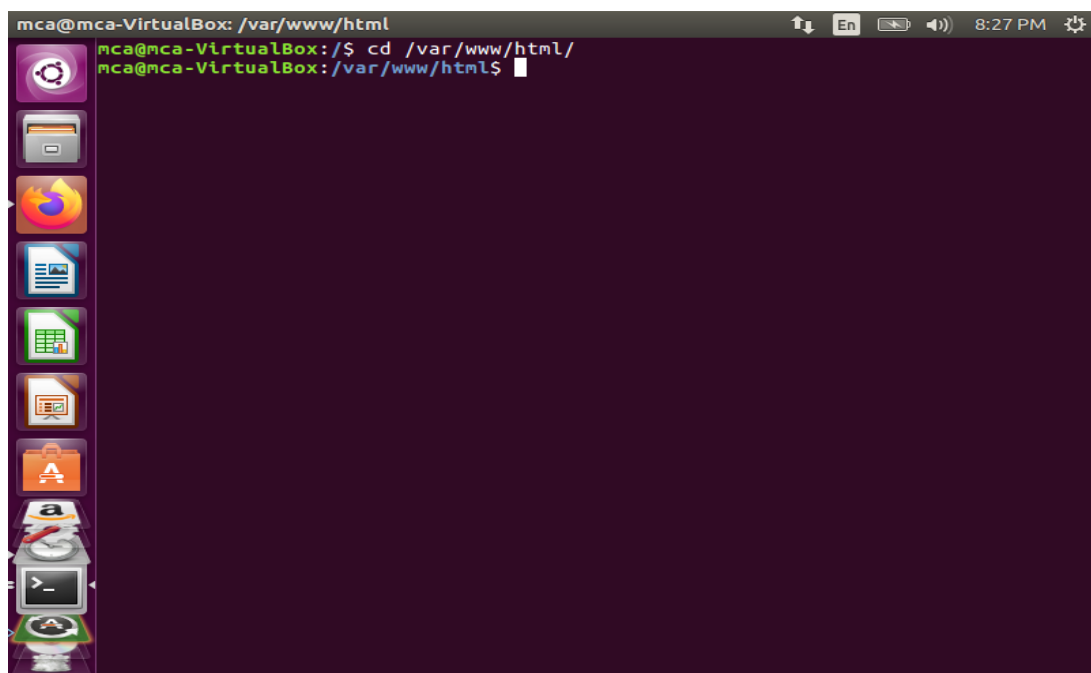
Step 3 : Copy the link address for WordPress from the link

<https://wordpress.org/download/>



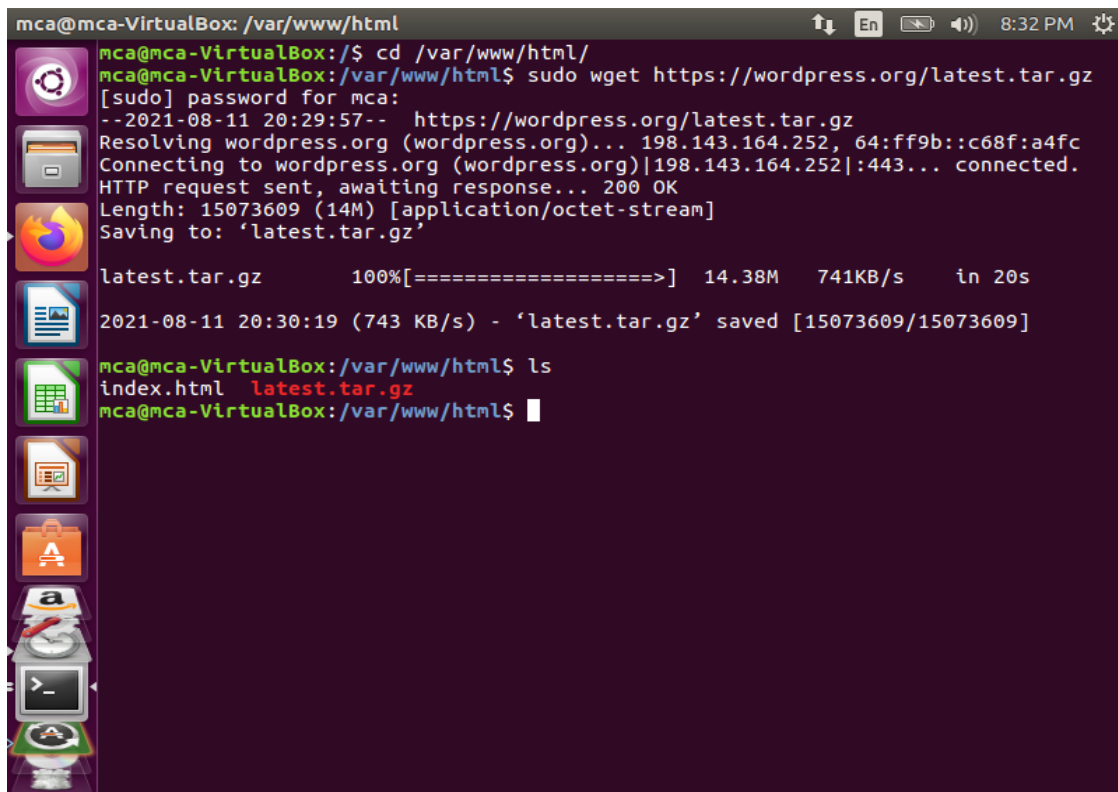
Step 4 : Change the directory to root directory of Apache

```
$ cd /var/www/html/
```



Step 5 : Download WordPress

`$ sudo wget https://wordpress.org/latest.tar.gz`

A terminal window titled 'mca@mca-VirtualBox: /var/www/html' showing the execution of the 'wget' command to download the latest WordPress tarball. The terminal output shows the command being run, the password prompt, the connection to wordpress.org, and the successful download of the file 'latest.tar.gz' (14M) at a speed of 741KB/s. The file is saved in the current directory. The terminal also shows the 'ls' command being run, listing 'index.html' and 'latest.tar.gz'.

```
mca@mca-VirtualBox: /var/www/html
mca@mca-VirtualBox:/$ cd /var/www/html/
mca@mca-VirtualBox:/var/www/html$ sudo wget https://wordpress.org/latest.tar.gz
[sudo] password for mca:
--2021-08-11 20:29:57-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252, 64:ff9b::c68f:a4fc
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 15073609 (14M) [application/octet-stream]
Saving to: 'latest.tar.gz'

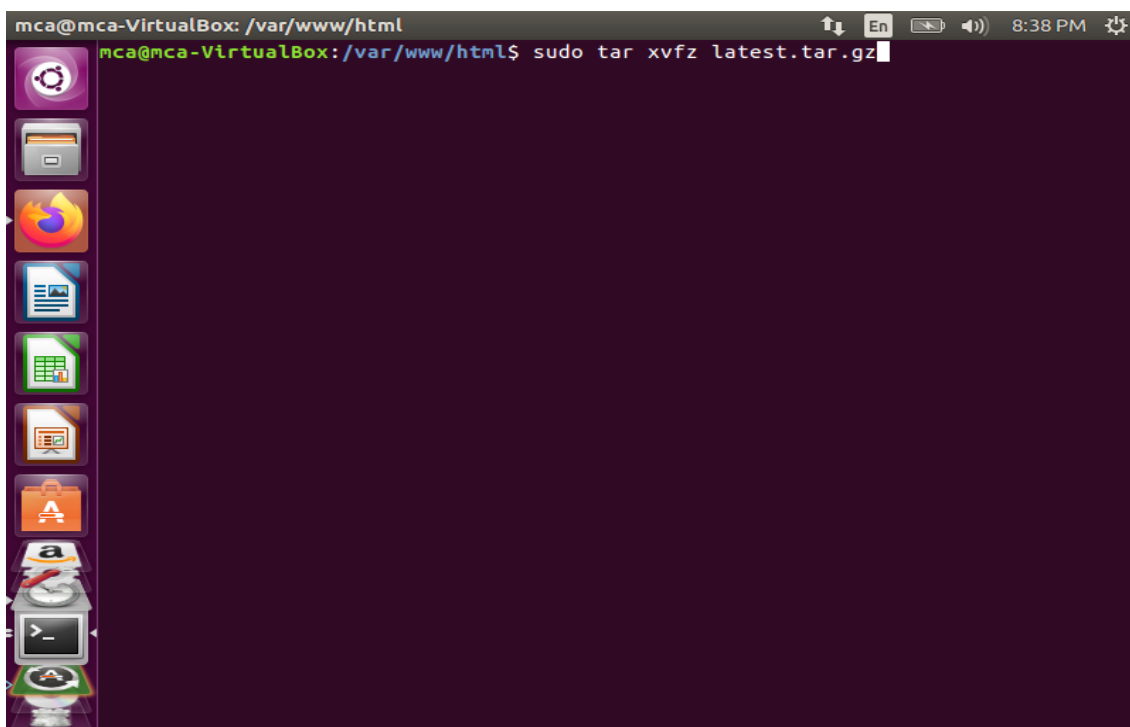
latest.tar.gz      100%[=====>] 14.38M  741KB/s   in 20s

2021-08-11 20:30:19 (743 KB/s) - 'latest.tar.gz' saved [15073609/15073609]

mca@mca-VirtualBox:/var/www/html$ ls
index.html  latest.tar.gz
mca@mca-VirtualBox:/var/www/html$
```

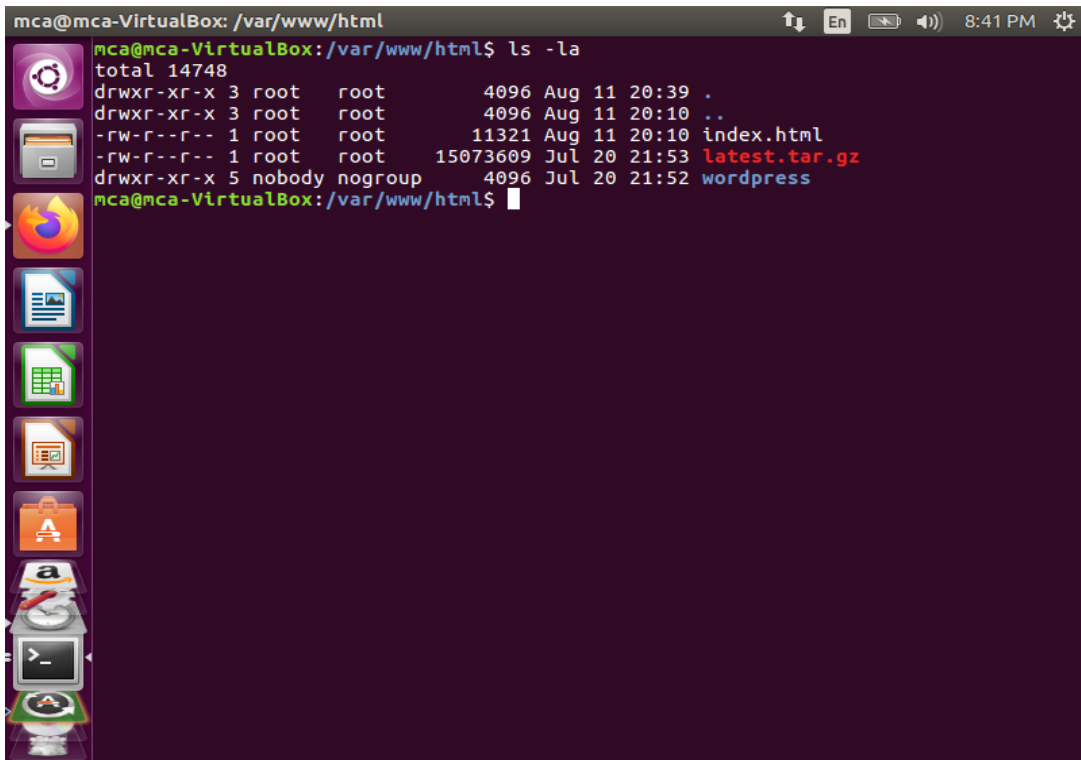
Step 6 : Unzip latest.tar.gz file

`$ sudo tar xvfz latest.tar.gz`

A terminal window titled 'mca@mca-VirtualBox: /var/www/html' showing the execution of the 'tar xvfz latest.tar.gz' command. The terminal output shows the command being run, but the actual output of the tar command is not visible in the screenshot.

```
mca@mca-VirtualBox: /var/www/html
mca@mca-VirtualBox:/var/www/html$ sudo tar xvfz latest.tar.gz
```

Step 7 : Check the rights on the current directory files `$ ls -la`

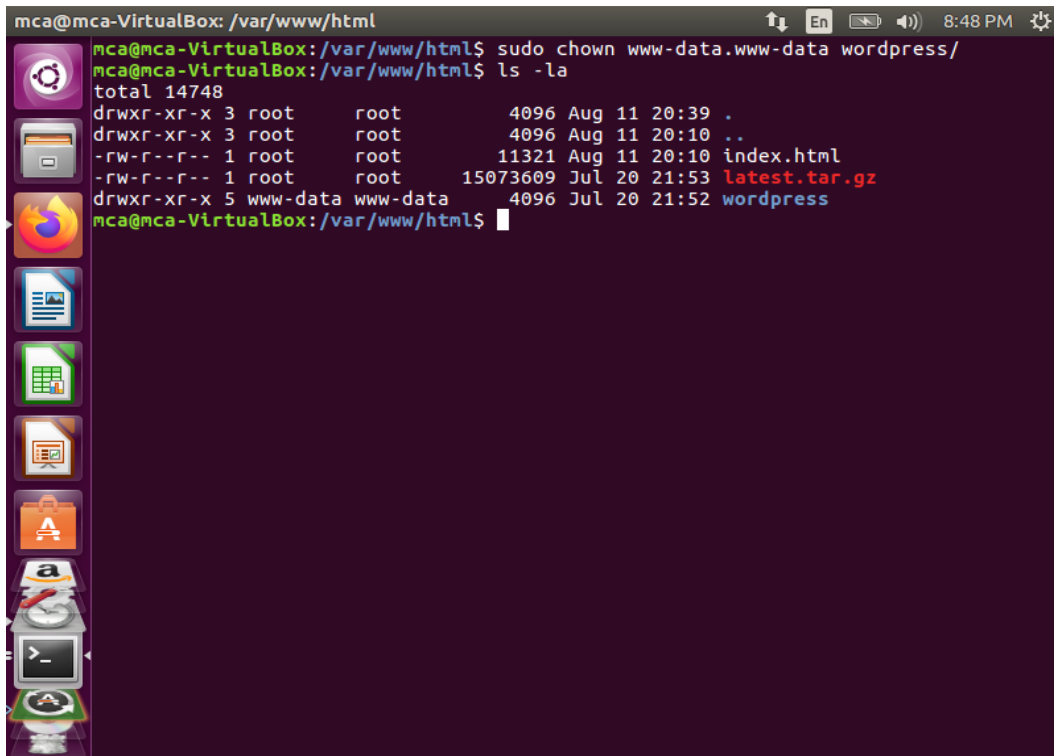


```
mca@mca-VirtualBox: /var/www/html
mca@mca-VirtualBox:/var/www/html$ ls -la
total 14748
drwxr-xr-x 3 root root 4096 Aug 11 20:39 .
drwxr-xr-x 3 root root 4096 Aug 11 20:10 ..
-rw-r--r-- 1 root root 11321 Aug 11 20:10 index.html
-rw-r--r-- 1 root root 15073609 Jul 20 21:53 latest.tar.gz
drwxr-xr-x 5 nobody nogroup 4096 Jul 20 21:52 wordpress
mca@mca-VirtualBox:/var/www/html$
```

Step 8 : Change the owner of the WordPress file

`$ sudo chown www-data.www-data wordpress/`

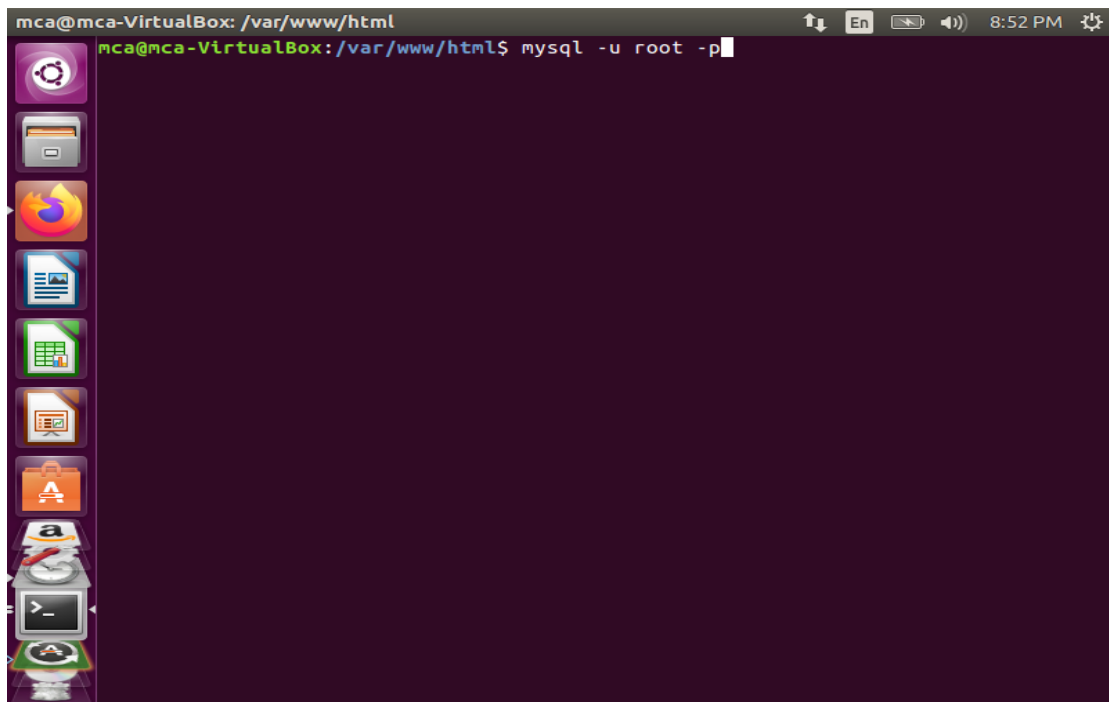
`$ ls -la`



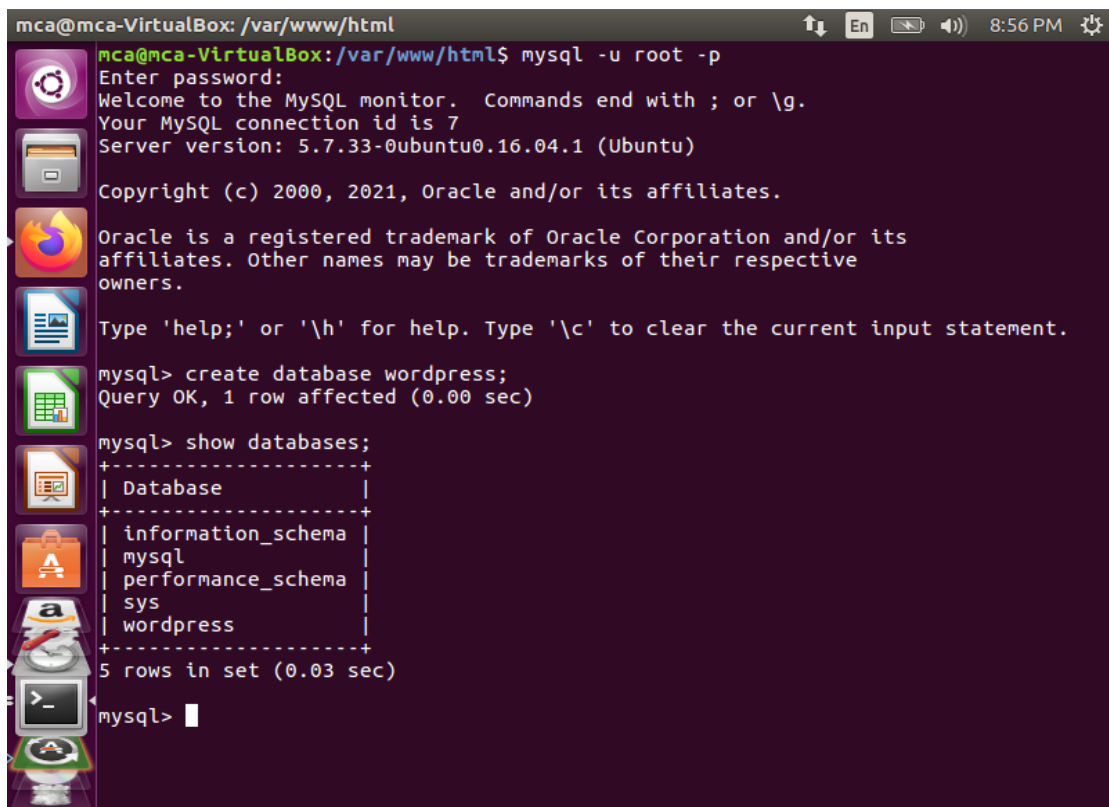
```
mca@mca-VirtualBox: /var/www/html
mca@mca-VirtualBox:/var/www/html$ sudo chown www-data.www-data wordpress/
mca@mca-VirtualBox:/var/www/html$ ls -la
total 14748
drwxr-xr-x 3 root root 4096 Aug 11 20:39 .
drwxr-xr-x 3 root root 4096 Aug 11 20:10 ..
-rw-r--r-- 1 root root 11321 Aug 11 20:10 index.html
-rw-r--r-- 1 root root 15073609 Jul 20 21:53 latest.tar.gz
drwxr-xr-x 5 www-data www-data 4096 Jul 20 21:52 wordpress
mca@mca-VirtualBox:/var/www/html$
```

Step 9 : Open MySQL

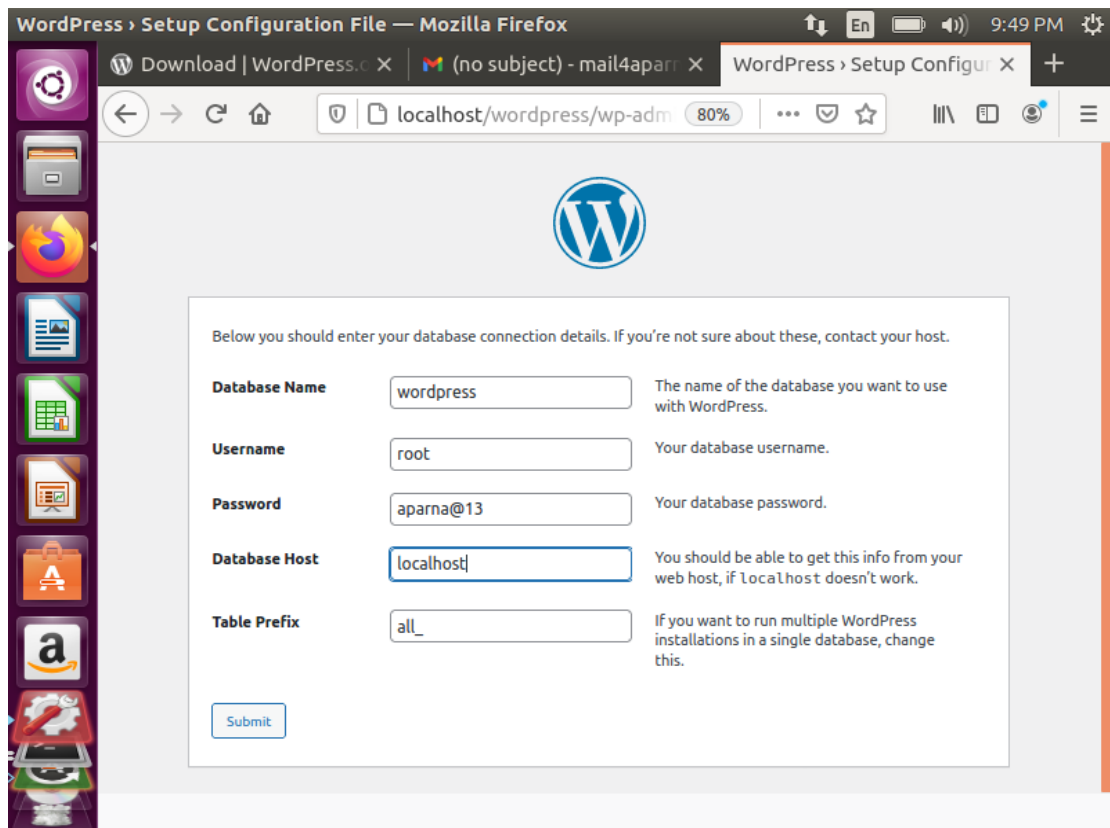
```
$ mysql -u root -p
```



Step 10 : Create a database named wordpress



Step 11 : Open WordPress configuration in browser (localhost/wordpress/) ,then enter the database connection details and click submit.

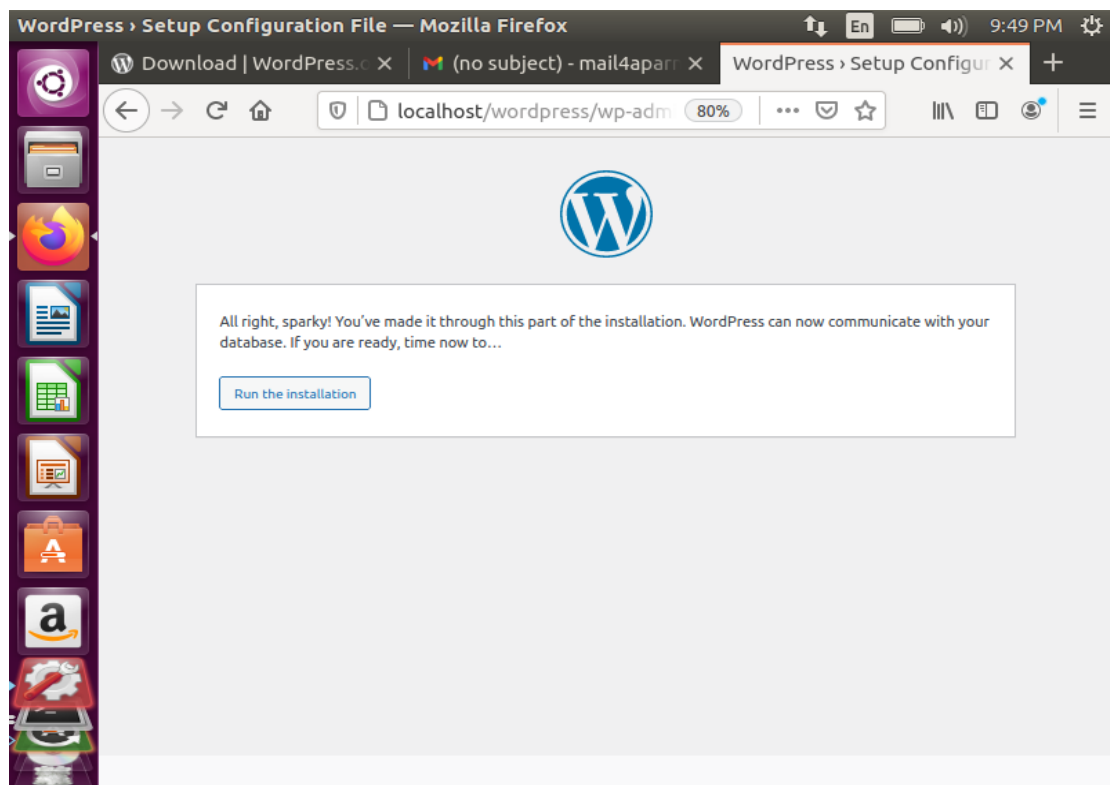


The screenshot shows the WordPress Setup Configuration File in a Mozilla Firefox browser window. The address bar displays 'localhost/wordpress/wp-admin' with a zoom level of 80%. The page features the WordPress logo at the top. Below the logo, a text box contains the instruction: 'Below you should enter your database connection details. If you're not sure about these, contact your host.' The form includes five input fields with labels and descriptions:

Field Label	Value	Description
Database Name	wordpress	The name of the database you want to use with WordPress.
Username	root	Your database username.
Password	aparna@13	Your database password.
Database Host	localhost	You should be able to get this info from your web host, if localhost doesn't work.
Table Prefix	all_	If you want to run multiple WordPress installations in a single database, change this.

A 'Submit' button is located at the bottom left of the form.

➤ Click Run the installation



The screenshot shows the WordPress Setup Configuration File in a Mozilla Firefox browser window after clicking the 'Run the installation' button. The address bar displays 'localhost/wordpress/wp-admin' with a zoom level of 80%. The page features the WordPress logo at the top. Below the logo, a text box contains the message: 'All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...'. A 'Run the installation' button is located at the bottom left of the text box.

Step 12 : Give informations required and click install WordPress

WordPress › Installation — Mozilla Firefox

Download | WordPress.org | (no subject) - mail4aparna@gmail.com | WordPress › Installation

localhost/wordpress/wp-admin 67%

Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password [Show](#)
Medium
Important: You will need this password to log in. Please store it in a secure location.

Your Email
Double-check your email address before continuing.

Search engine visibility ☒ Discourage search engines from indexing this site
It is up to search engines to honor this request.

[Install WordPress](#)

WordPress › Installation — Mozilla Firefox

Download | WordPress.org | (no subject) - mail4aparna@gmail.com | WordPress › Installation

localhost/wordpress/wp-admin 67%

Success!

WordPress has been installed. Thank you, and enjoy!

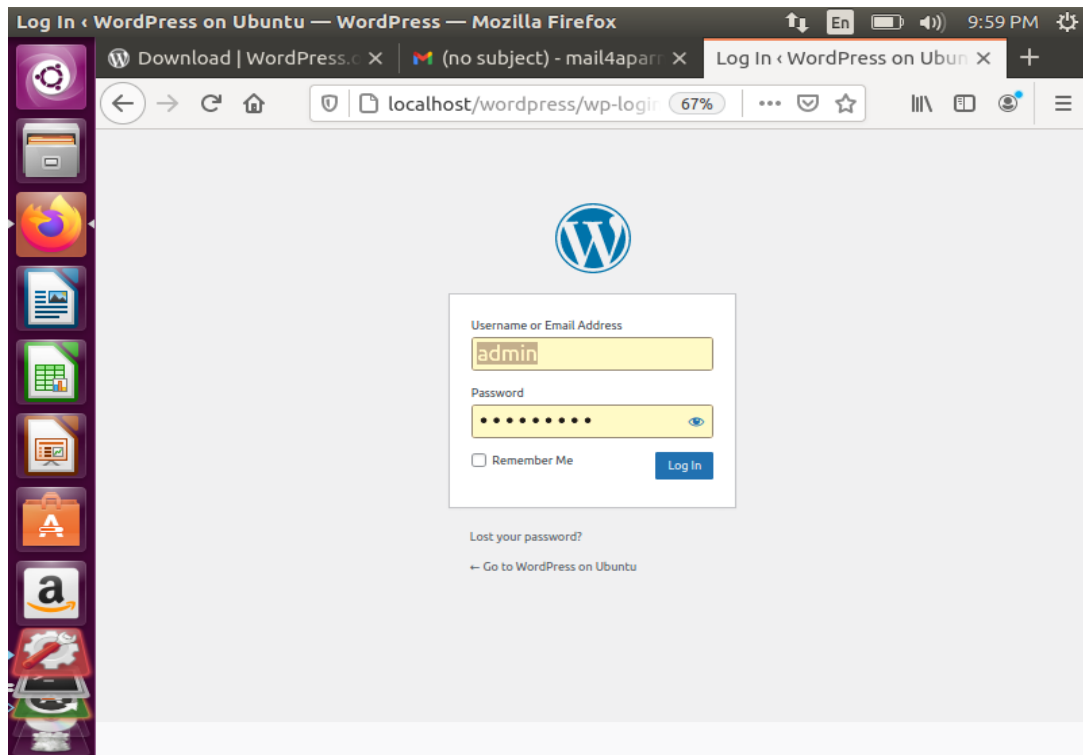
Username admin

Password Your chosen password.

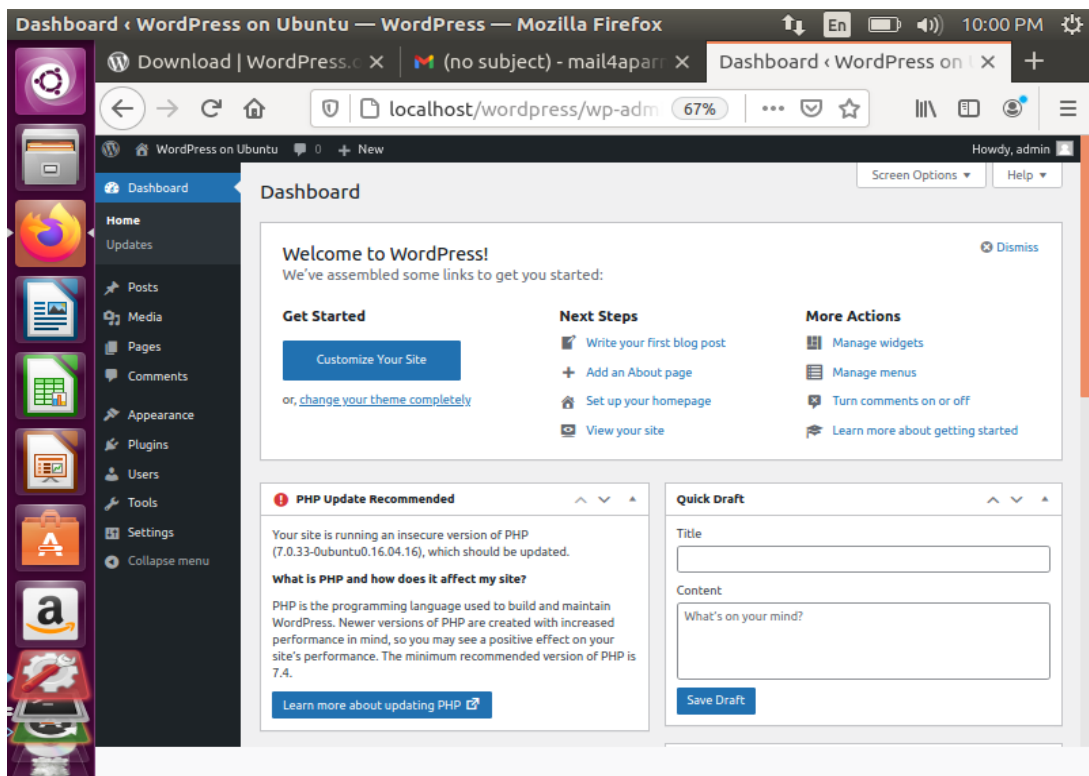
[Log In](#)

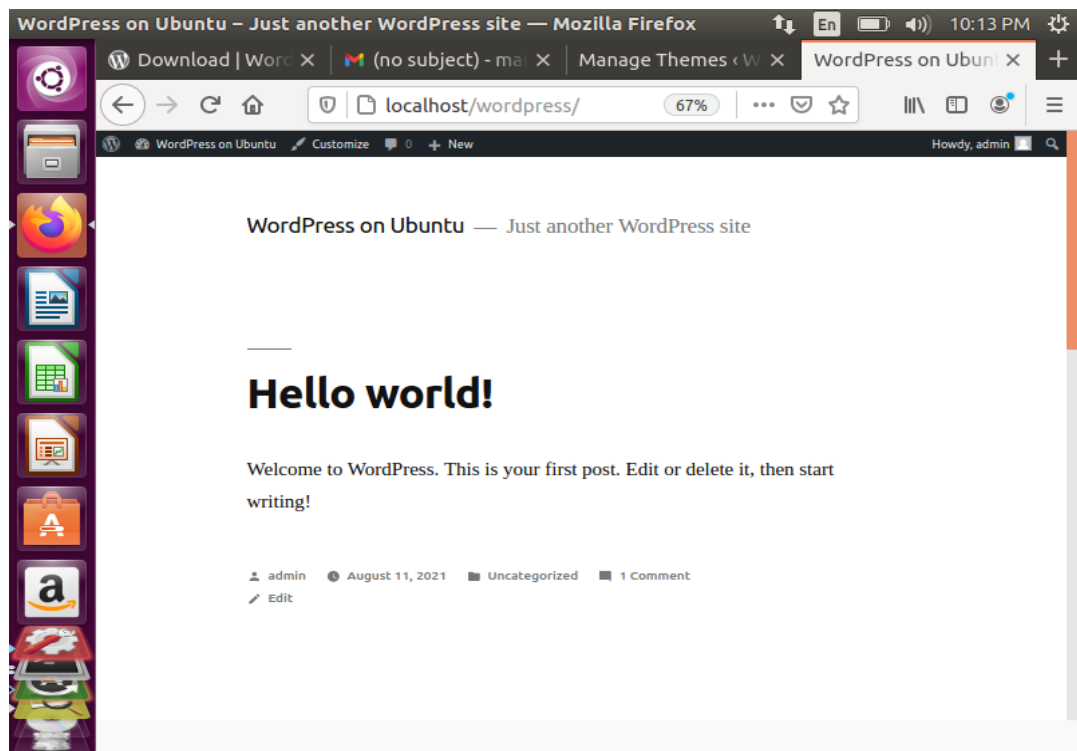
- Click Log In

Step 13 : Enter username and password and click log in



- Successfully enter into WordPress dashboard





- WordPress is installed successfully.