**Complete LAMP Stack installation** guide on Ubuntu, including **phpMyAdmin** — step by step with all commands. Just copy and paste each block one-by-one in your terminal.

## ✅ Step 1: Update your system

sudo apt update && sudo apt upgrade -y

## 🌐 Step 2: Install Apache

sudo apt install apache2 -y

sudo systemctl enable apache2

sudo systemctl start apache2

Check in browser:  
🔗 http://localhost → Should show the Apache default page

## 🐘 Step 3: Install MySQL

sudo apt install mysql-server -y

sudo systemctl enable mysql

sudo systemctl start mysql

Secure it:

sudo mysql\_secure\_installation

* Press Enter to use the default VALIDATE PASSWORD plugin (or n to skip)
* Set root password
* Answer Y to all prompts

## 🔧 Step 4: Install PHP

sudo apt install php libapache2-mod-php php-mysql php-cli php-curl php-zip php-mbstring php-xml php-bcmath php-common -y

Test PHP:

echo "<?php phpinfo(); ?>" | sudo tee /var/www/html/test.php

Then go to:  
🔗 http://localhost/test.php → Should show PHP info page

## 🧠 Step 5: Install phpMyAdmin

sudo apt install phpmyadmin -y

During setup:

* Select **Apache2**
* Select **Yes** to configure with dbconfig-common
* Set MySQL **application password** (can be different from root)

## 🔁 Step 6: Enable PHP modules & Restart Apache

sudo phpenmod mysqli

sudo systemctl restart apache2

### \*Manually link phpMyAdmin to Apache

Sometimes the installer skips this step. Run:

sudo dpkg -l | grep phpmyadmin

sudo ln -s /usr/share/phpmyadmin /var/www/html/phpmyadmin

This creates a symbolic link that Apache can serve.

## 🔐 Step 7: Enable MySQL root login in phpMyAdmin (optional)

Log into MySQL:

sudo mysql

Then run:

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'your\_root\_password';

FLUSH PRIVILEGES;

EXIT;

Replace 'your\_root\_password' with your actual root password.

## 🧪 Final Tests

* http://localhost → Apache welcome page
* http://localhost/test.php → PHP info
* http://localhost/phpmyadmin → phpMyAdmin login

## 🧼 Clean up (optional)

Remove the test file:

sudo rm /var/www/html/test.php

You're now running a  **clean LAMP stack with phpMyAdmin** on Ubuntu/Linux 🚀

**Copy the Project**  
  
Sure! Here's exactly how to copy your “project\_name” from Downloads to /var/www/html/, give it proper permissions (777 for full access), and make sure Apache (localhost) can serve it properly:

## ✅ Step-by-step Commands

### 📁 1. Copy the project to /var/www/html

sudo cp -r ~/path\_to\_folder/project\_name /var/www/html/

### 🔐 2. Give full read/write/execute permissions (777)

sudo chmod -R 777 /var/www/html/project\_name

⚠️ Only use 777 in local development — it gives everyone full access. Not safe for production.

### 👤 3. Set ownership to www-data (Apache user)

sudo chown -R www-data:www-data /var/www/html/project\_name

### 🌐 4. Access it via browser

Now open:

http://localhost/project\_name/index.php

✅ You should see your app load (make sure there's an index.php or index.html inside the folder).