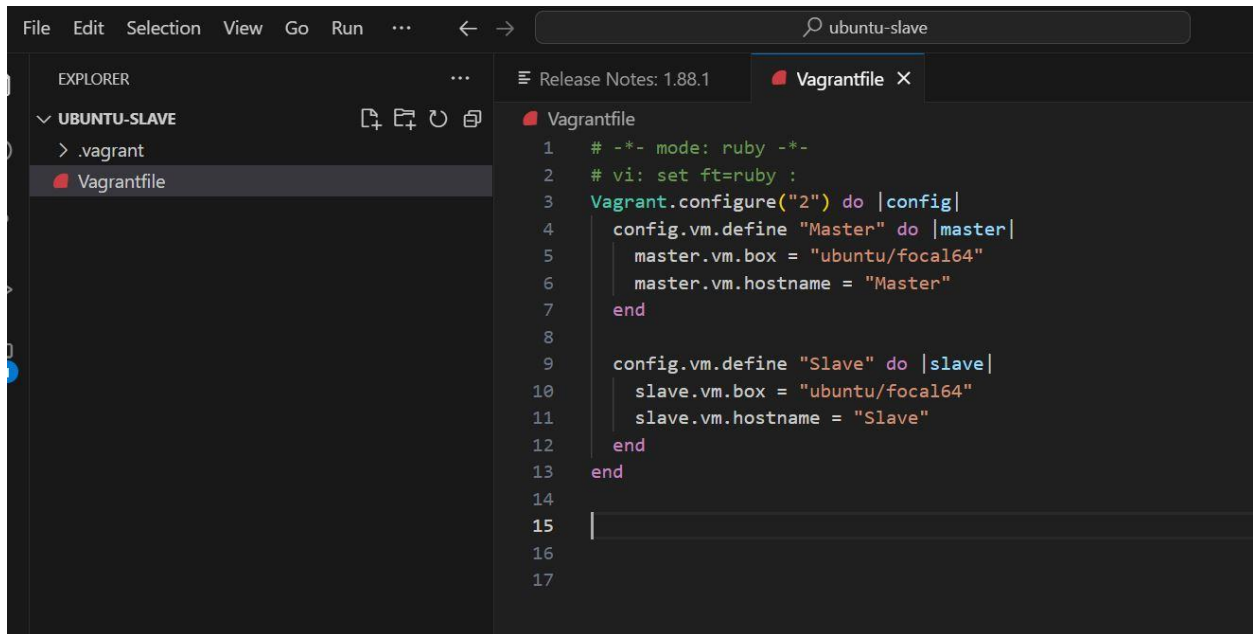**Step 1: Provisioning with Vagrant**

Install Vagrant and VirtualBox (if not already installed).

Create a directory for your project and navigate into it.

Create a Vagrantfile with the following content:

Step 2: Bash Script for Master Node (provision_master.sh)

🛡 Restricted Mode is intended for safe code browsing. Trust this window to enable all features.   Manage   Learn More

! playbook (3).yml   ☰ My Atschool exam documentation   ⬇ exam.md $ latest (1).sh ✕

C: > Users > HP > Downloads > $ latest (1).sh

```bash
#!/bin/bash
#update your linux system
sudo apt update -y
#install your apache webserver
sudo apt install apache2 -y
#add the php ondrej repository
sudo add-apt-repository ppa:ondrej/php --yes
#update your repository again
sudo apt update -y
# install php8.2
sudo apt install php8.2 -y
#install some of those php dependencies that are needed for laravel to work
sudo apt install php8.2-curl php8.2-dom php8.2-mbstring php8.2-xml php8.2-mysql zip unzip -y
#enable rewrite
sudo a2enmod rewrite
#restart your apache server
sudo systemctl restart apache2
#change directory in the bin directory
cd /usr/bin
install composer globally -y
sudo curl -sS https://getcomposer.org/installer | sudo php -q
#move the content of the deafault composer.phar
sudo mv composer.phar composer
#change directory in /var/www directory so we can clone of laravel repo there
cd /var/www/
sudo git clone https://github.com/laravel/laravel.git
sudo chown -R $USER:$USER /var/www/laravel
cd laravel/
```

🛡 Restricted Mode   ⊗ 0 ⚠ 0   📶 0

Step 3: Ansible Playbook for Slave Node

Install Ansible (sudo apt-get install ansible).

Create an Ansible playbook (lamp_deploy.yml):

```
---
- name: deploy lamp stack
  hosts: all
  become: true
  tasks:
    - name: Copy file with owner and permissions
      ansible.builtin.copy:
        src: /home/vagrant/latest.sh
        dest: /home/vagrant/latest.sh
        owner: root
        group: root
        mode: '0755'

    - name: install lamp stack and laravel
      script: /home/vagrant/latest.sh
```