LAB 1 : INSTALL VIRTUAL PLAYER AND LINUX

WHAT IS LINUX ?

Linux is an open-source operating system kernel that serves as the foundation for various operating systems, commonly referred to as Linux distributions (or distros). Developed by Linus Torvalds in 1991, Linux is known for its stability, security, and versatility, making it popular for servers, desktops, embedded systems, and more.

STEP 1 : DOWNLOAD VIRTUALBOX FILE .

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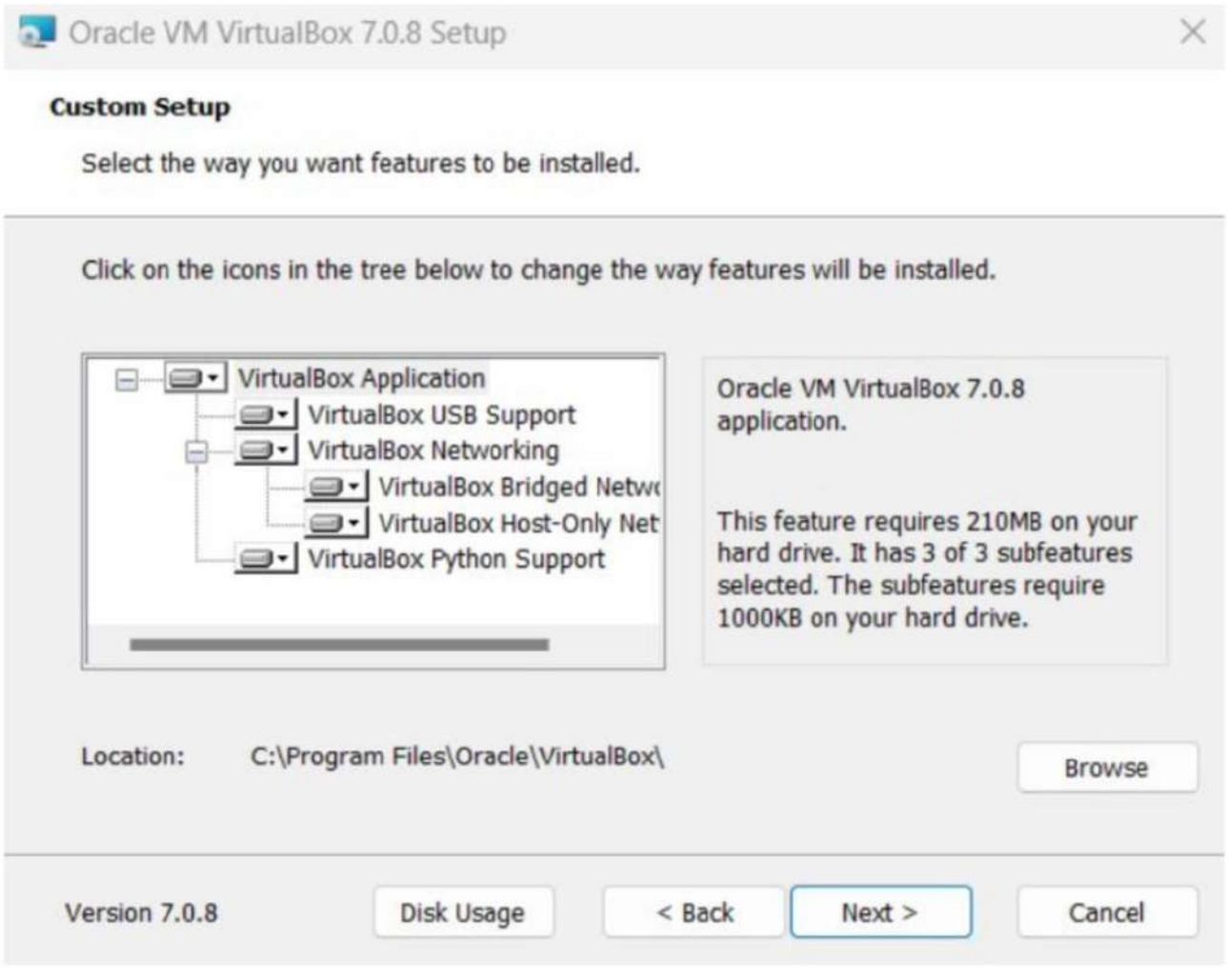
1 Go to the VirtualBox Website

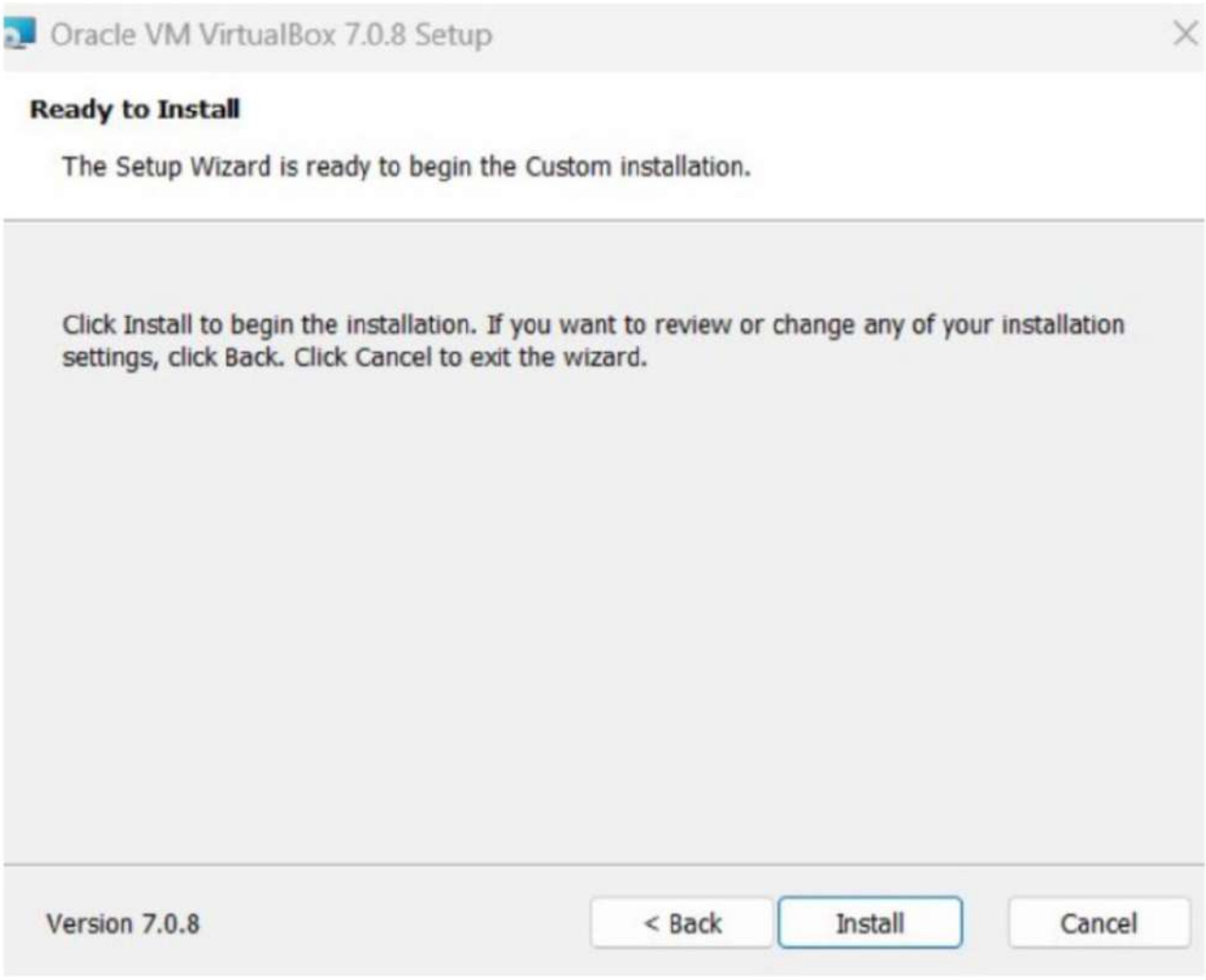
2 select your operating system
```

STEP 2 : INSTALLING VIRTUAL BOX

1 The beginning

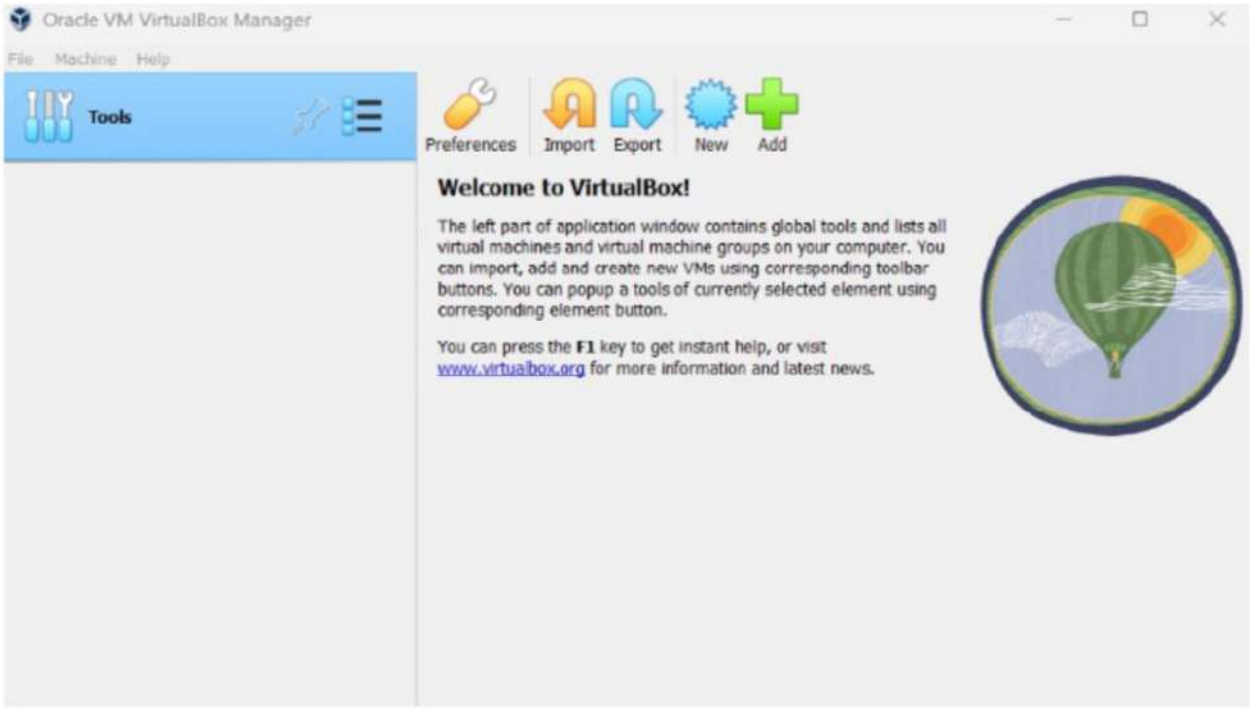
2 select installation location




Oracle VM VirtualBox 7.0.8 Setup
Ready to Install
The Setup Wizard is ready to begin the Custom installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Version 7.0.8
< Back
Install
Cancel

Oracle VM VirtualBox 7.0.8 Setup
Oracle VM VirtualBox 7.0.8 installation is complete.
Click the Finish button to exit the Setup Wizard.
Start Oracle VM VirtualBox 7.0.8 after installation
Version 7.0.8
< Back
Finish
Cancel

5 opening virtualbox



STEP 3 : INSTALLING LINUX USING VIRTUALBOX

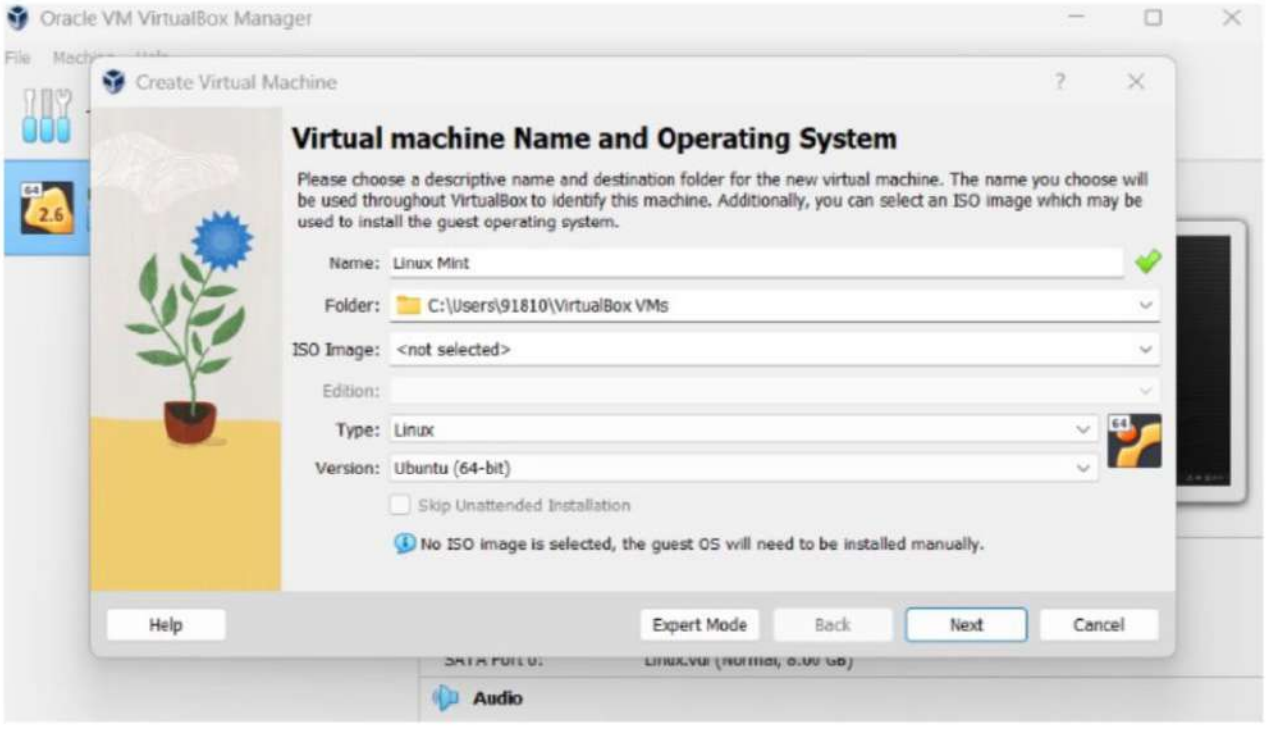
1 Naming virtual machine

After installing virtual box ,click New .

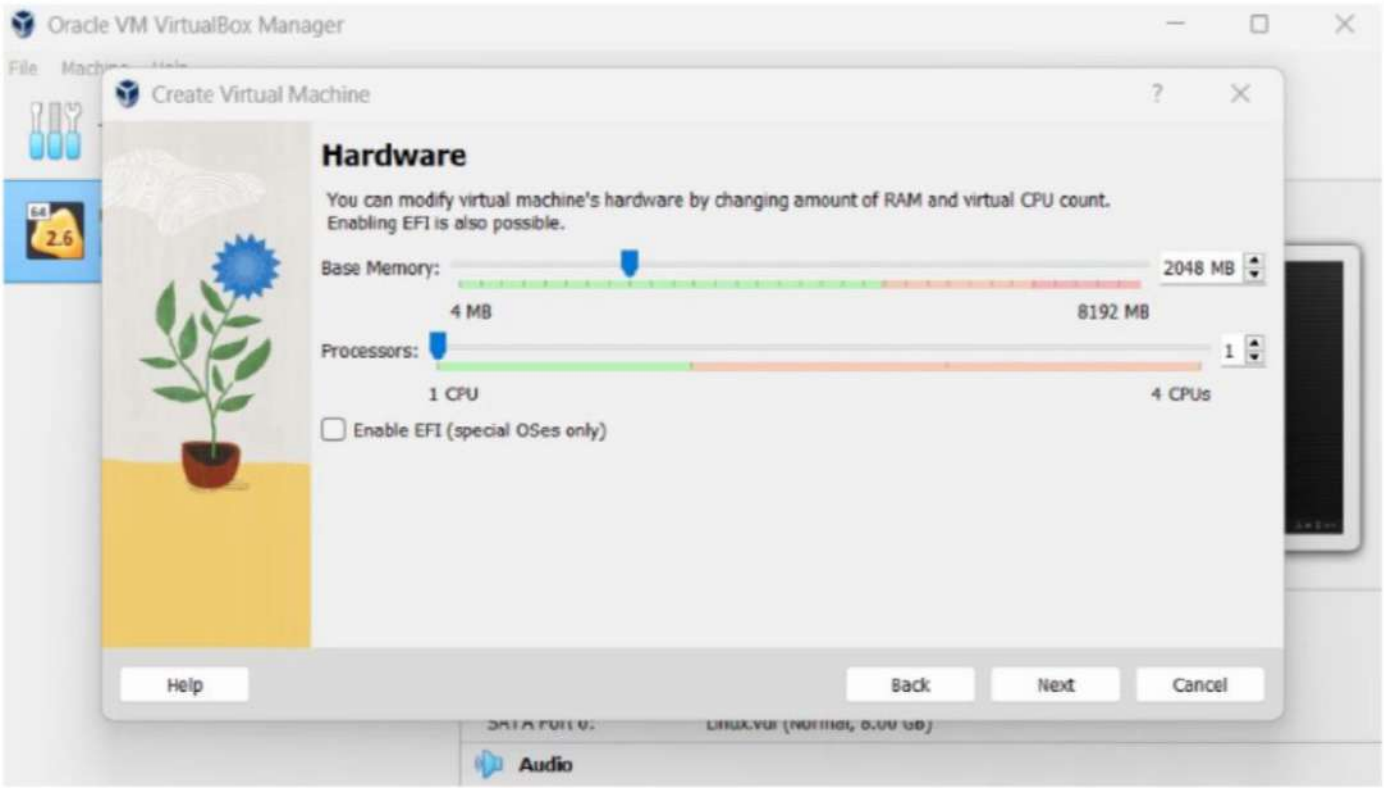
– Write the Name you want for your system, for example: Linux Mint

– Select Type: Linux.

– Select Version: Ubuntu



2 select the amount of ram



3 Hard Disk setting

Select hard disk setting:

– Choose ‘Create a virtual hard drive Now’, in order to make a virtual disk space.

– Select the amount of hard drive size.

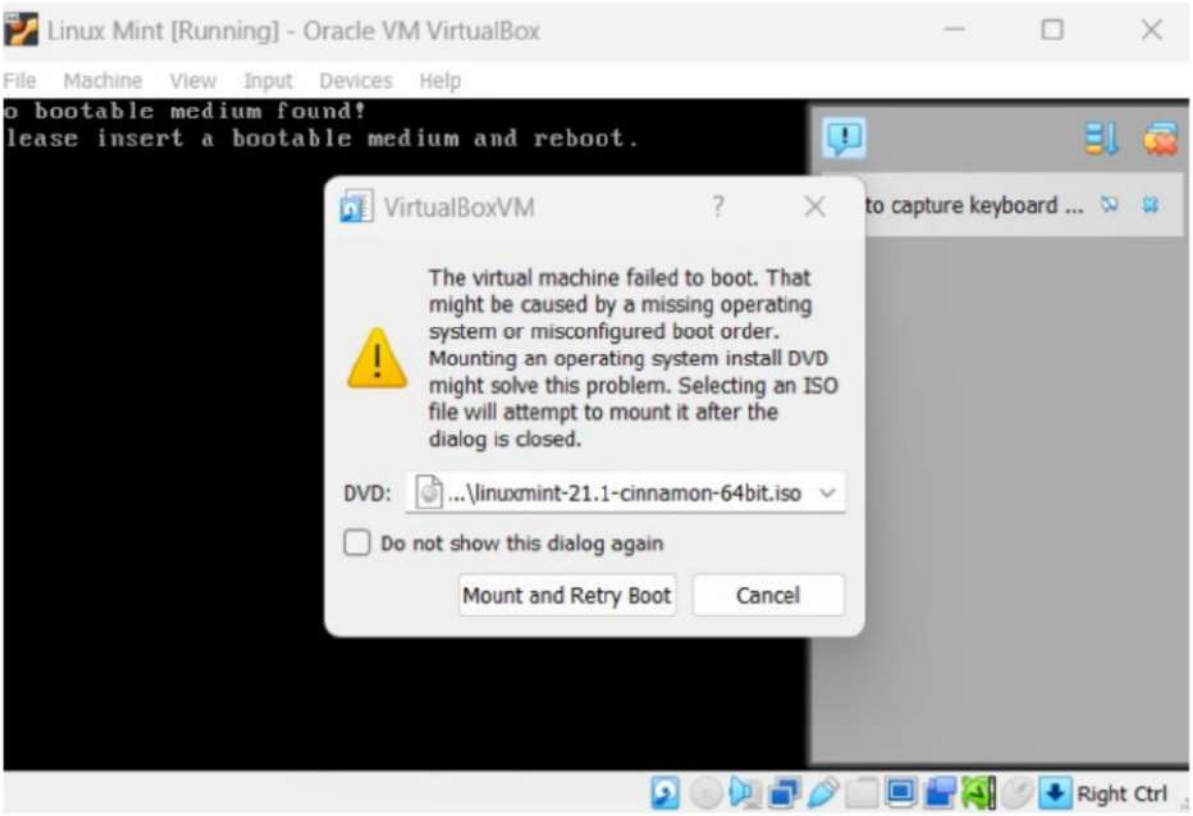
-now you are done with hardware settings.

4 Launching your System

Choose the downloaded Linux ISO file:

– Click Start to launch your system

- choose your iso file from your computer


Linux Mint [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
o bootable medium found!
lease insert a bootable medium and reboot.
VirtualBoxVM
The virtual machine failed to boot. That might be caused by a missing operating system or misconfigured boot order. Mounting an operating system install DVD might solve this problem. Selecting an ISO file will attempt to mount it after the dialog is closed.
DVD: ...\linuxmint-21.1-cinnamon-64bit.iso
Do not show this dialog again
Mount and Retry Boot
Cancel
to capture keyboard ...
Right Ctrl

5 Final installation

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Install Linux

— Click Install Linux Mint:
 testf
```
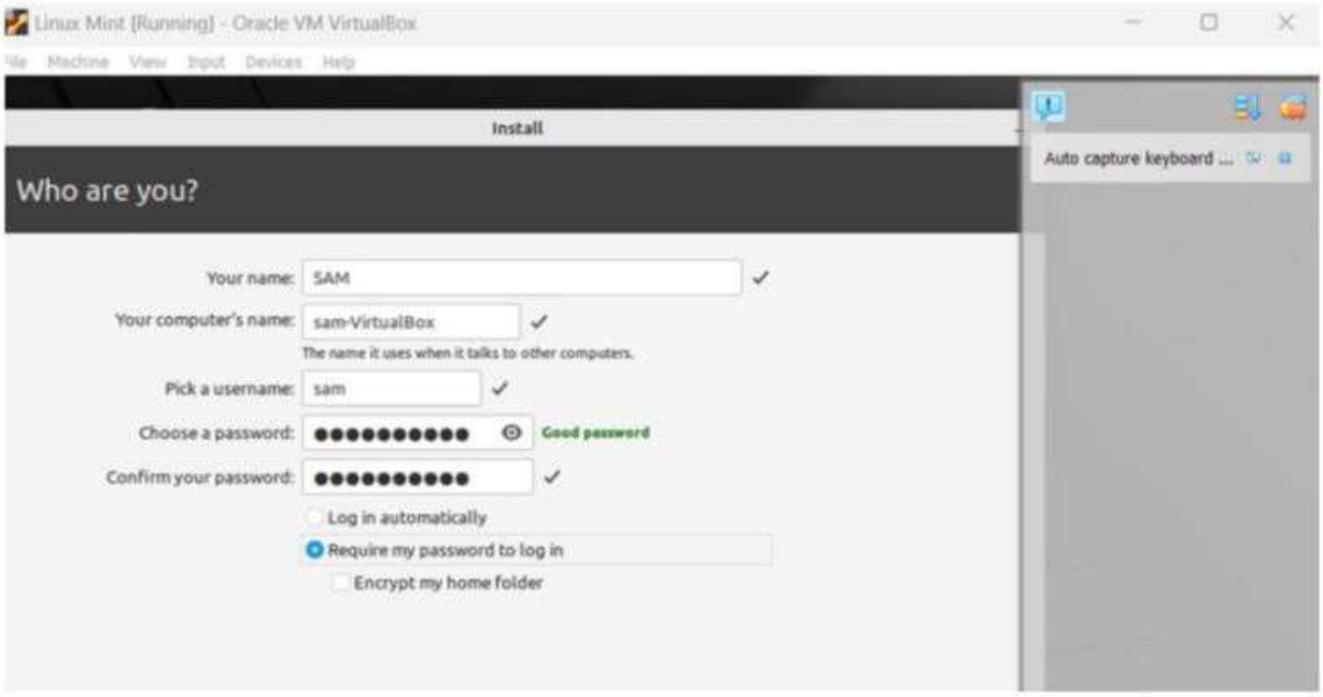

Make your Account:

– Enter your details as shown below



what are two advantages of installing ubuntu in virtual box?

-Robust snapshot and cloning capabilities

what are two advantages of dual booting instead of using a vm?

-better perfomance -full hardware compability and access

CONGRATULATIONS YOU HAVE SUCCESSFULLY INSTALLED THEUBUNTU LINUX .