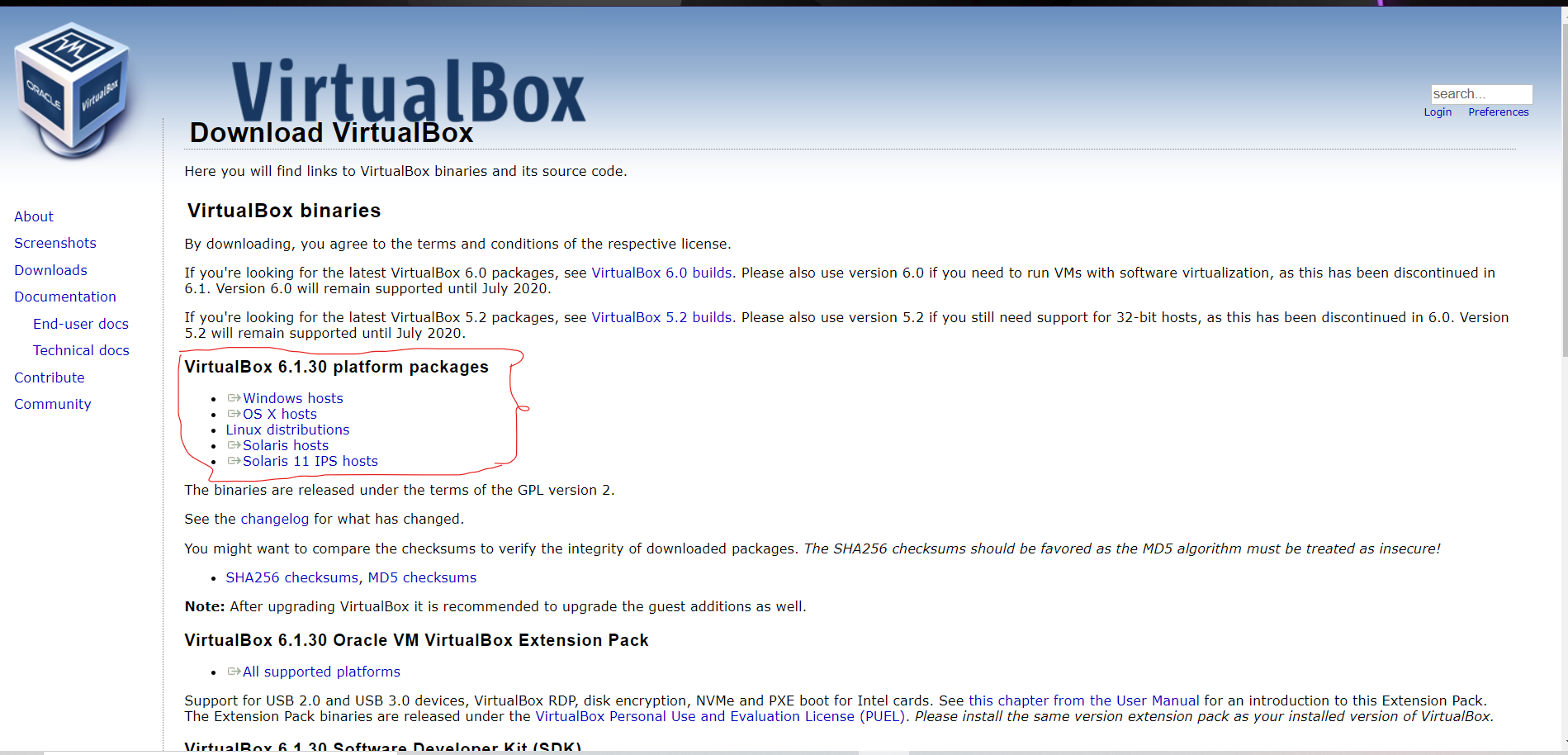
# **CREATING A OPERATING SYSTEM FROM DEBAIN DISTRIBUTION**

step 1: installation of virtual box

Go to <https://www.virtualbox.org/wiki/Downloads>



choose the executable which is compitable with your host operating system and download the executable after that run the executable a window is opened as shown below.



simply click next 3 times and then click install after installation completed click finish .A shortcut is created on your desktop

resources:

<https://www.virtualbox.org/manual/ch02.html> this is the official installation manual

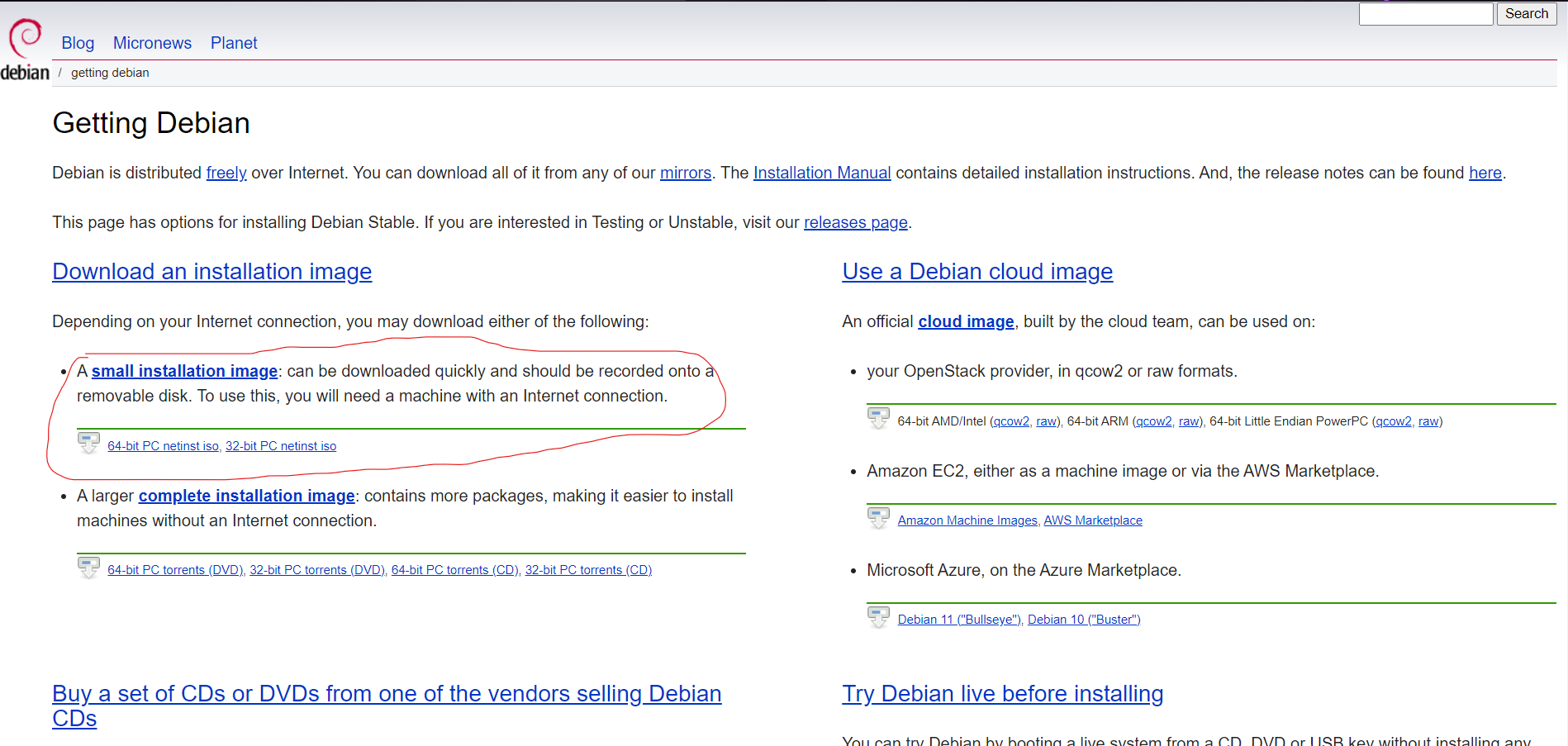
step 2: installation of template distro

choosing a template distro:

first step is we have to choose a linux distro to use it as a template. there are lot linux distributions like debian, archlinux ,fedora, linux mint …..etc .In this project we are choosing debian as our template

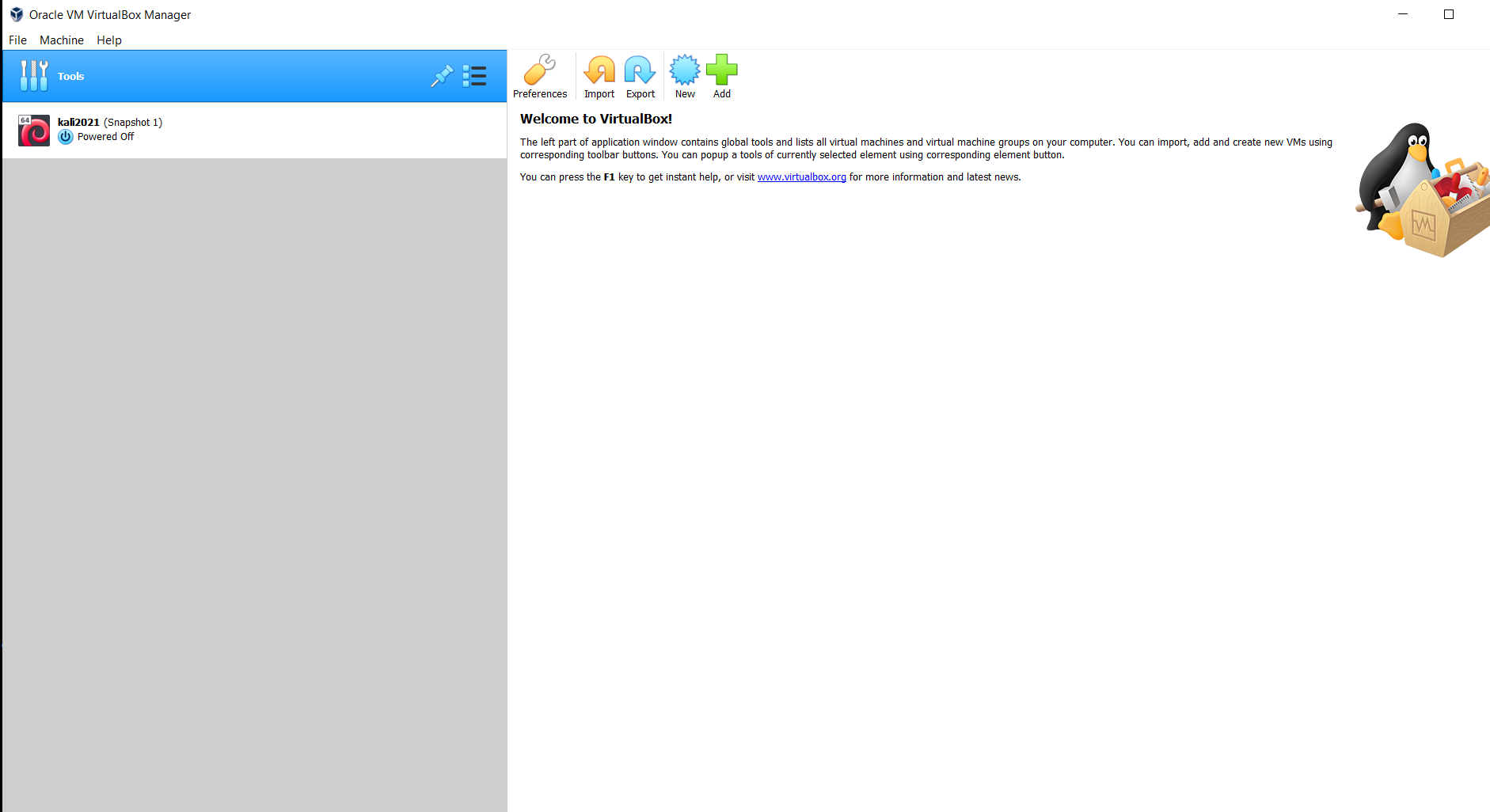
installation:

go to <https://www.debian.org/distrib/> and download small installation image depending on your system architecture(64bit/32bit)

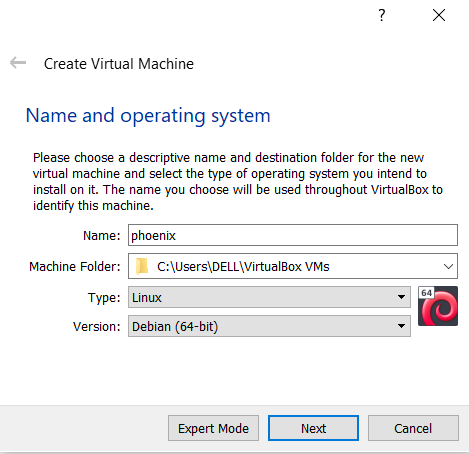


step 3: importing the image into virtual box

open the virual box and click on the new

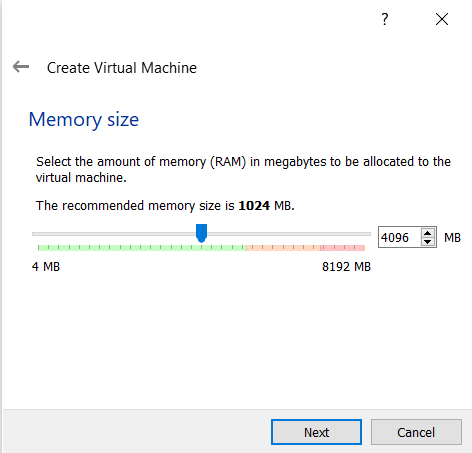


a window appears as shown below

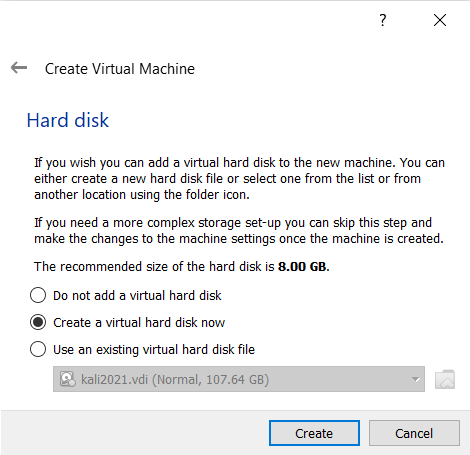


give a name to the operating system and set type to linux and version to debian 64/debian 32 depending on image u downloaded

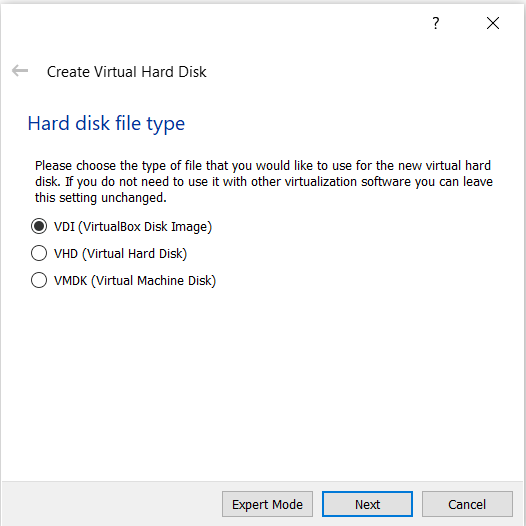
and click next



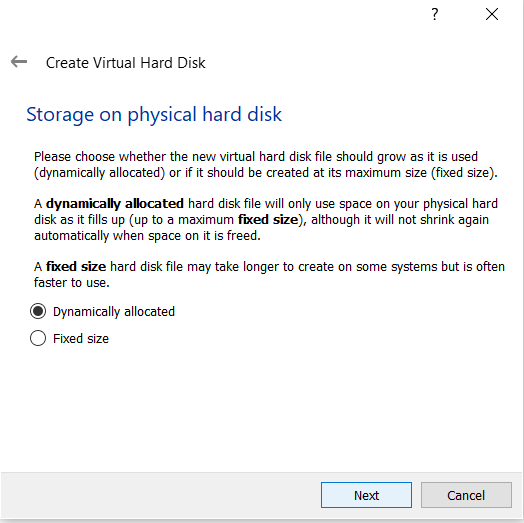
allot the memory and click on next



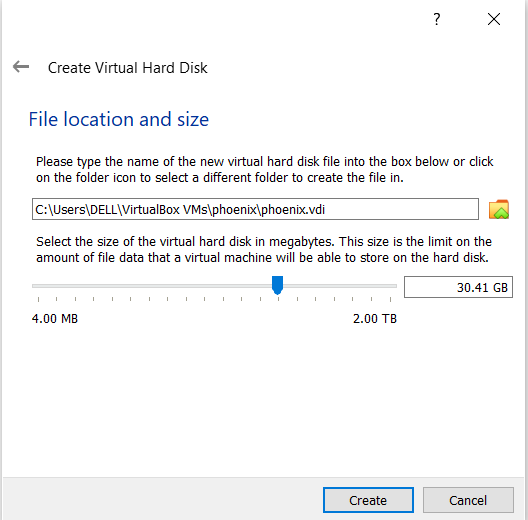
select create a virtual hard disk now option and click on create



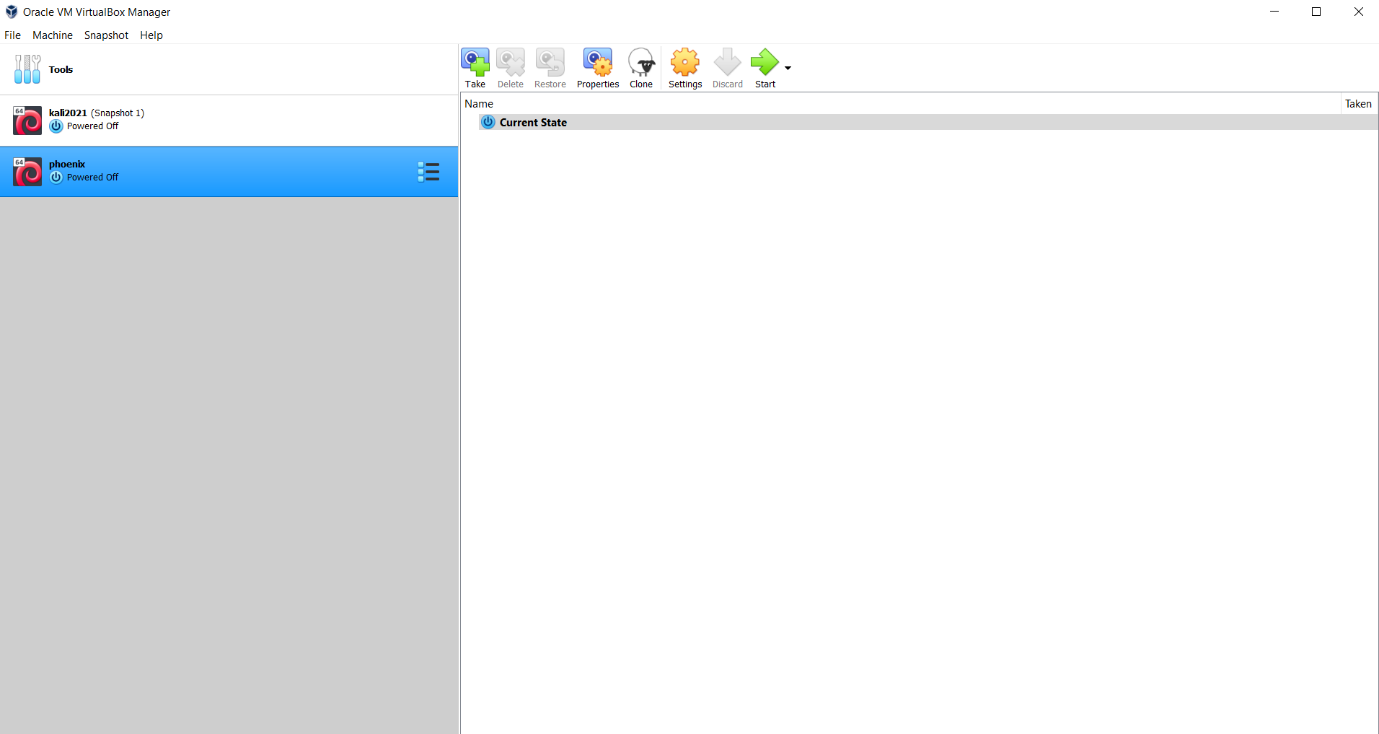
select VDI(virtual disk image) option and click on next



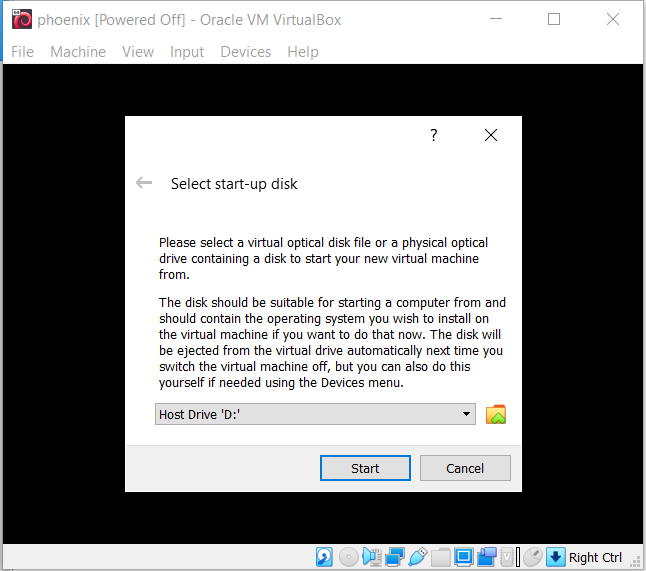
select dynamically allocated and click on next



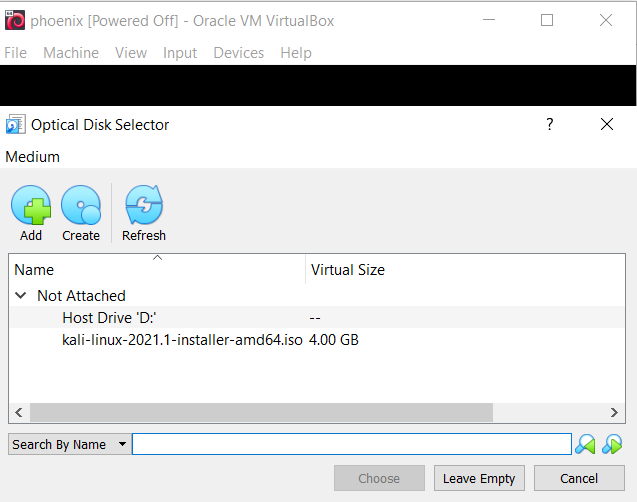
allocate size of virtual hard disk and click on create.our virtual machine is created



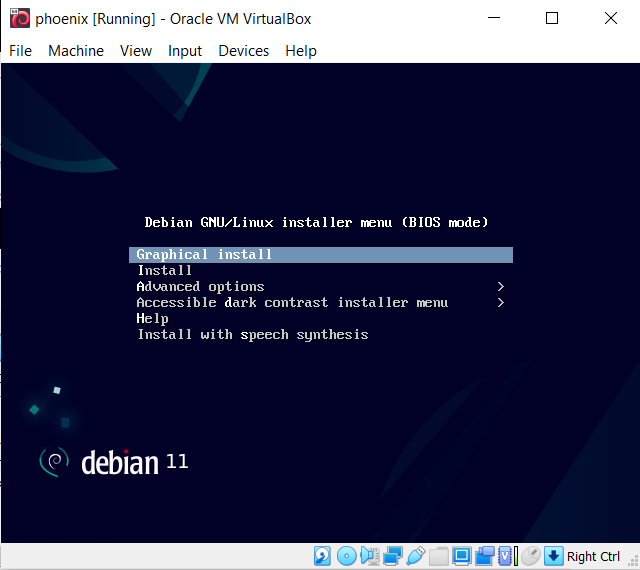
now select our virtual machine and click on start



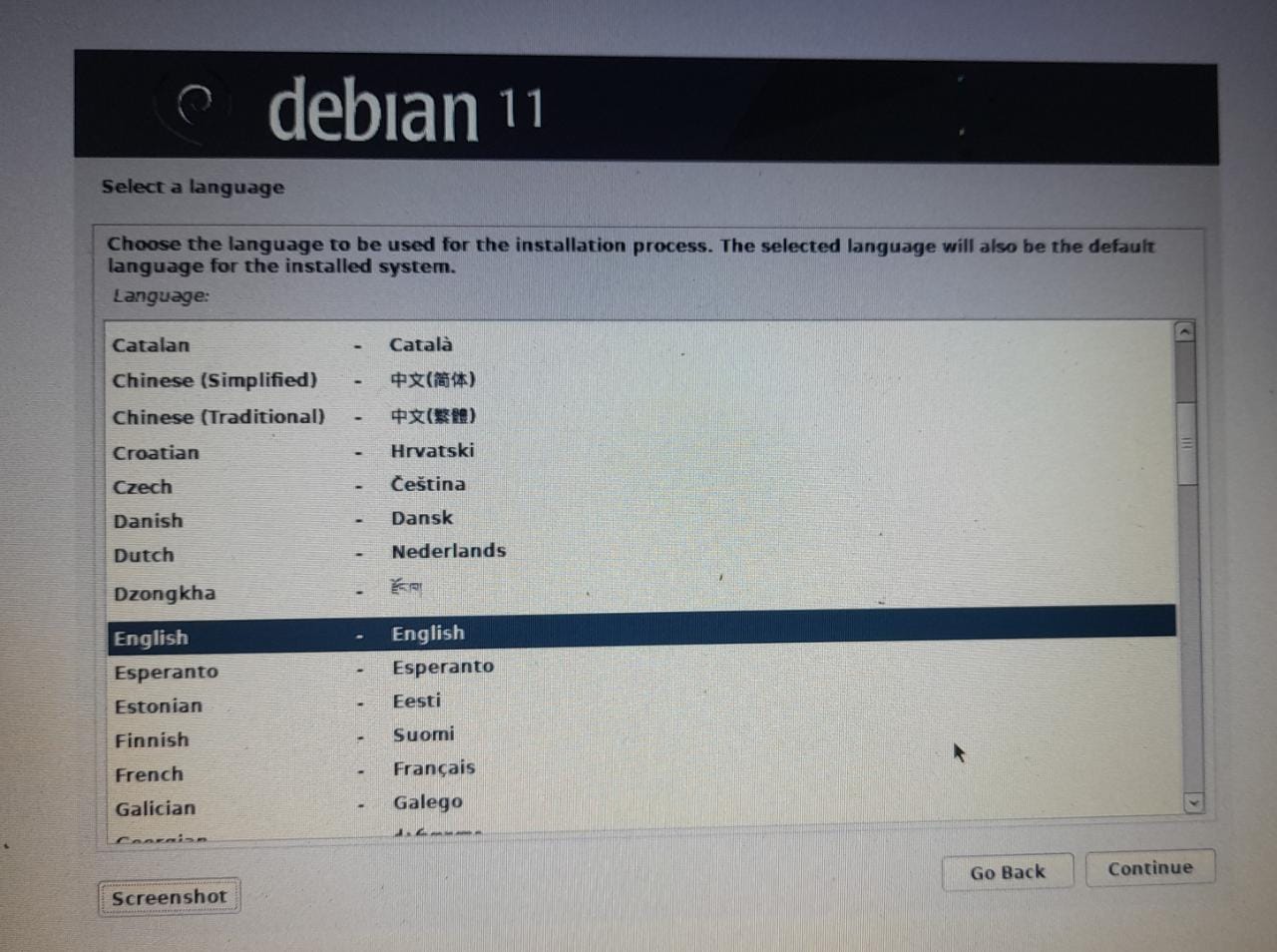
click on the folder icon



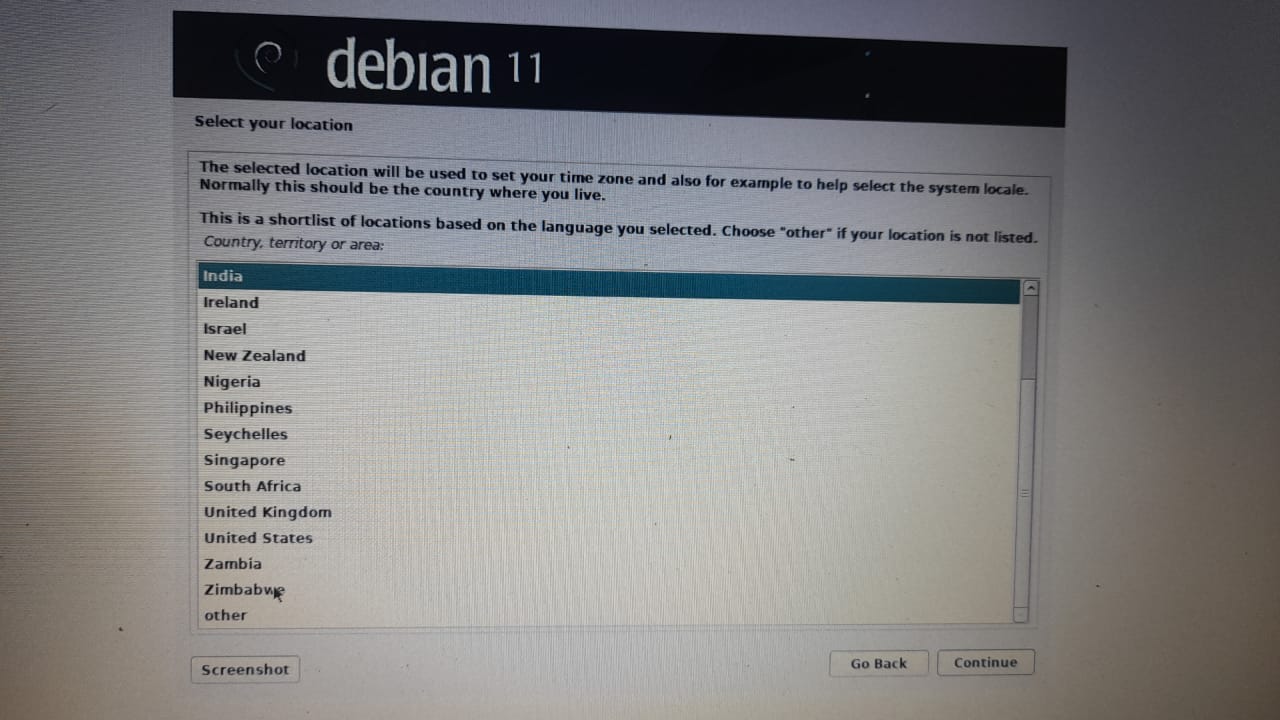
click on add and select the downloaded debain image and click on start



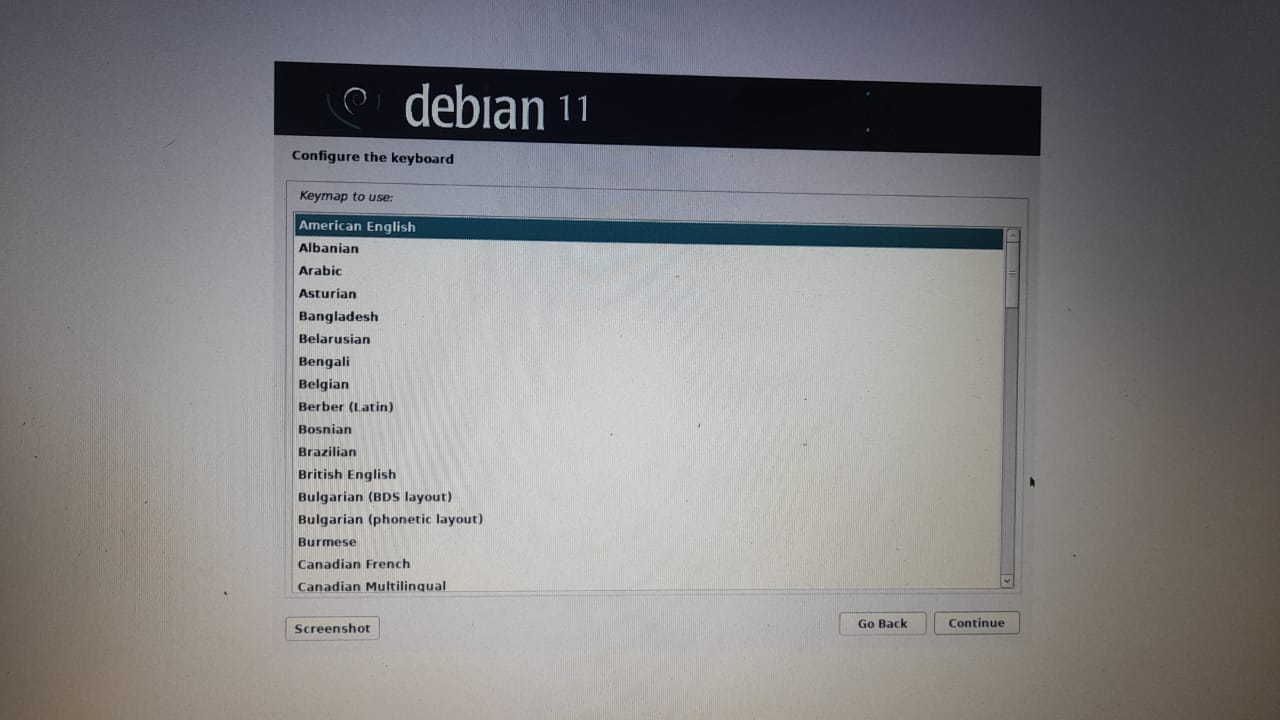
choose the graphical install and click enter



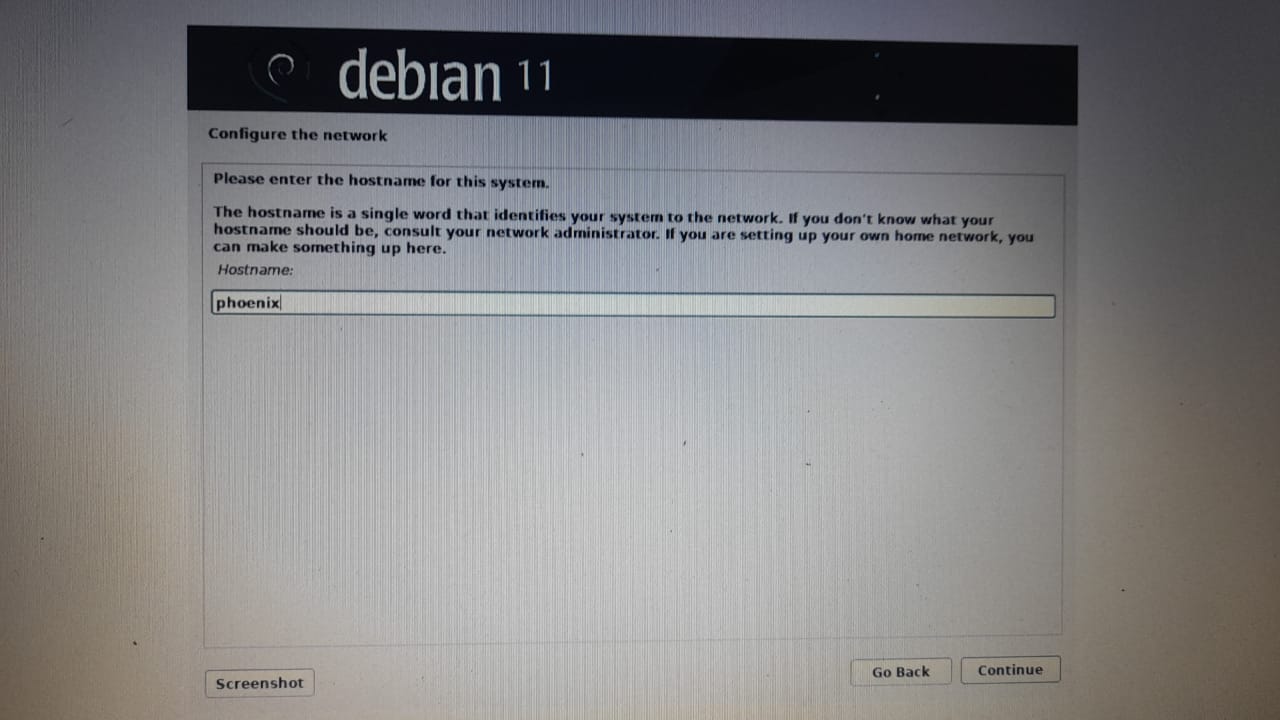
select the language and click on continue



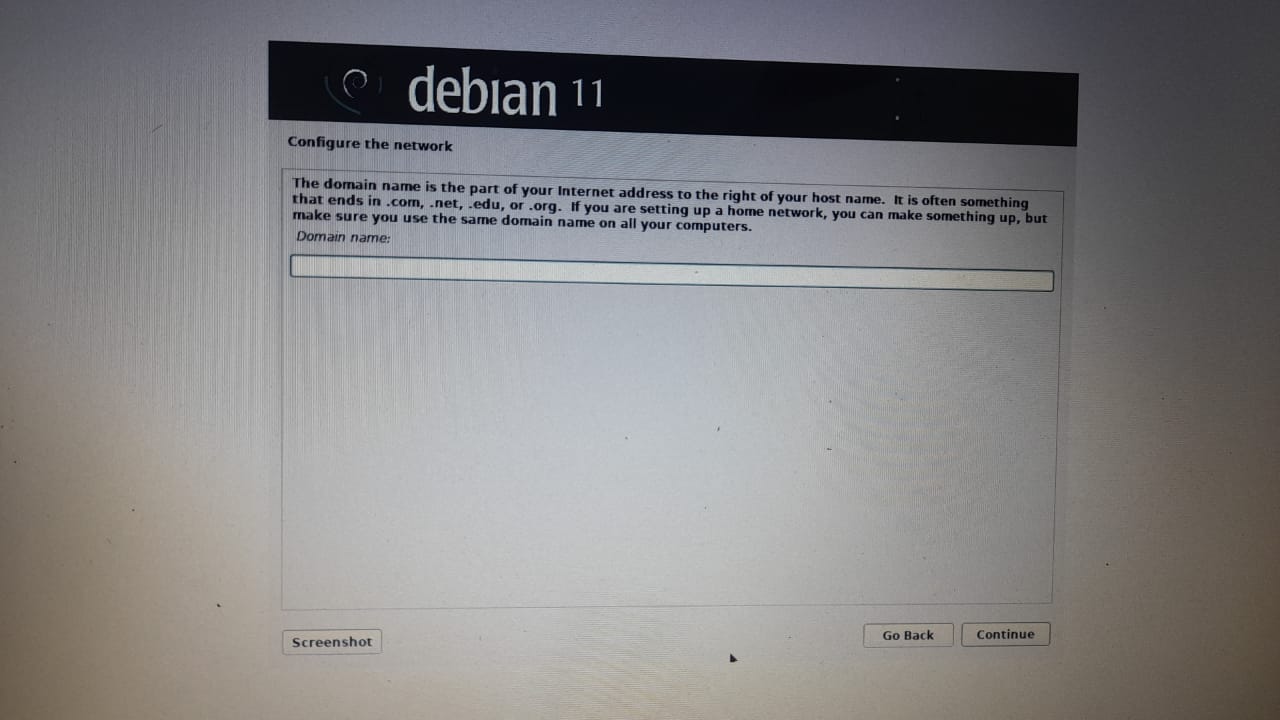
select the country and click on continue



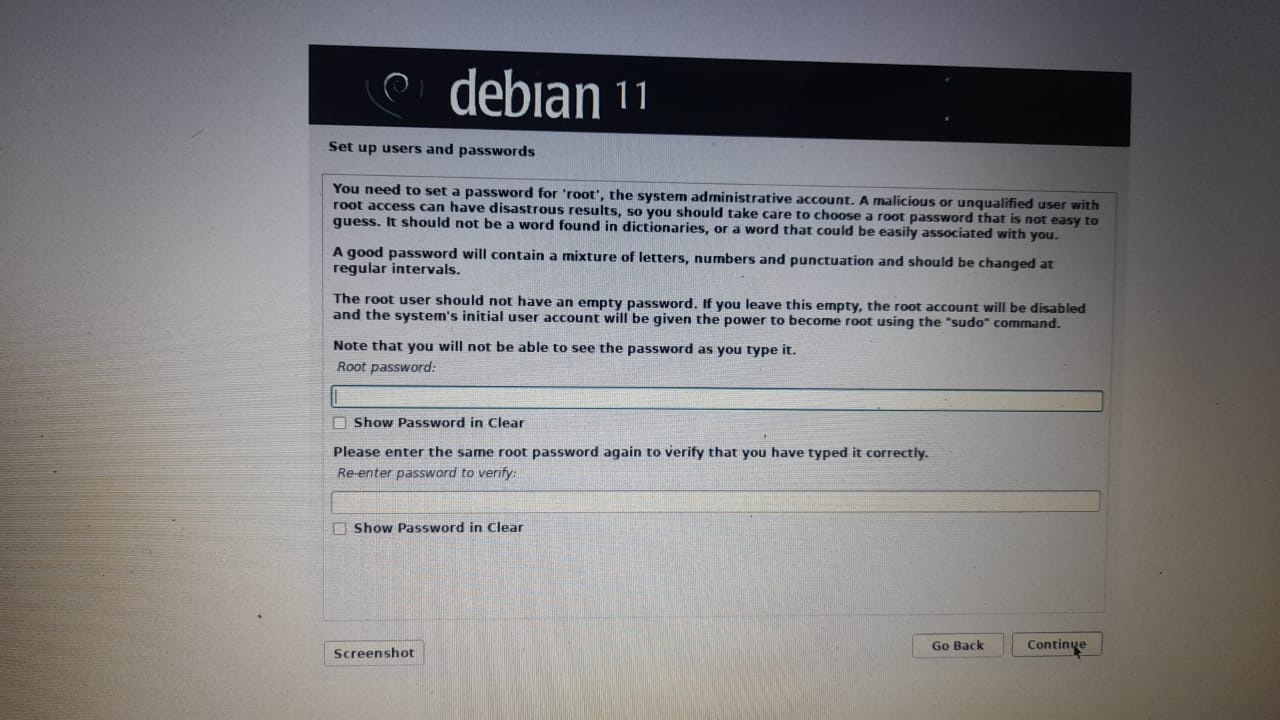
select a keyboard configuration and click on continue



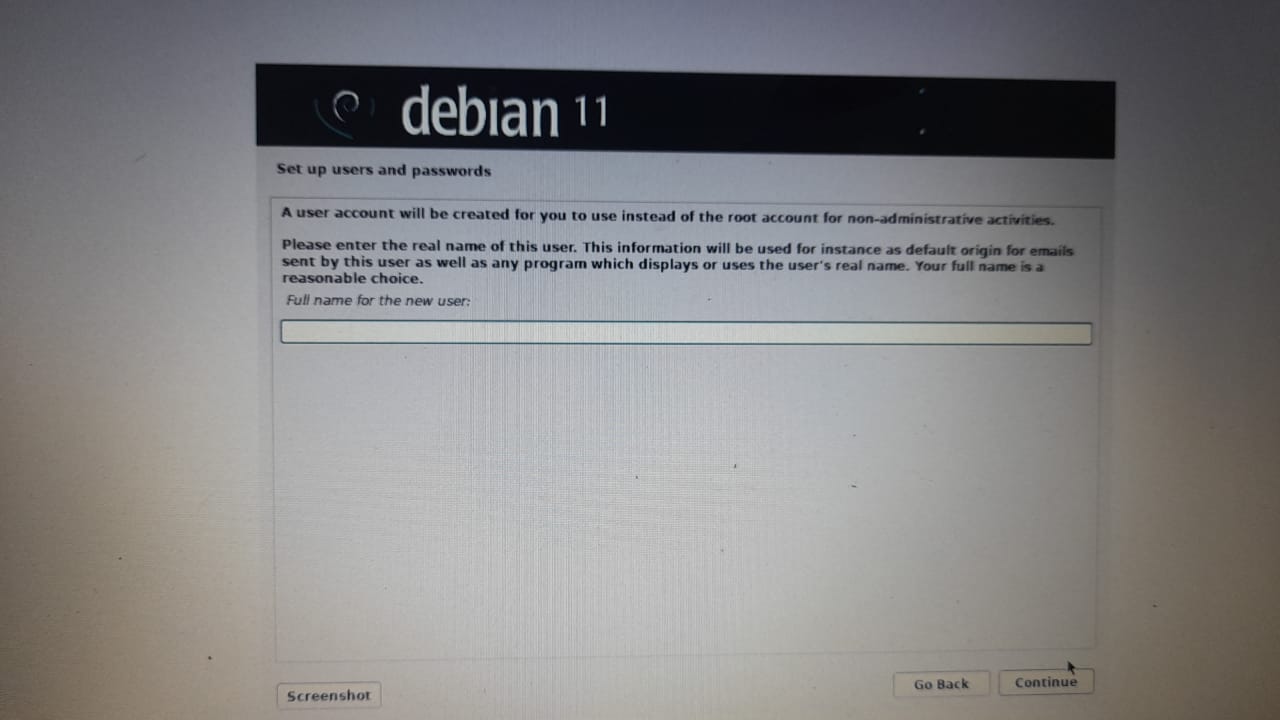
choose a host name and click on continue



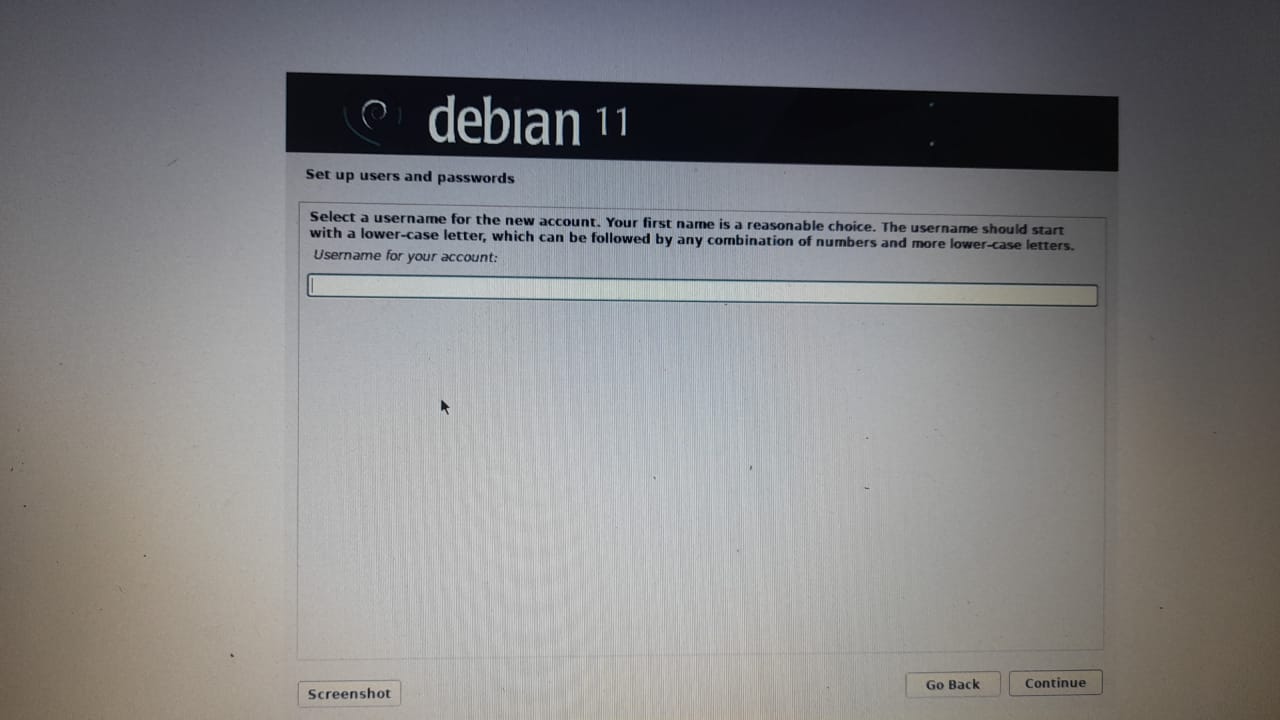
leave this to default and click on continue



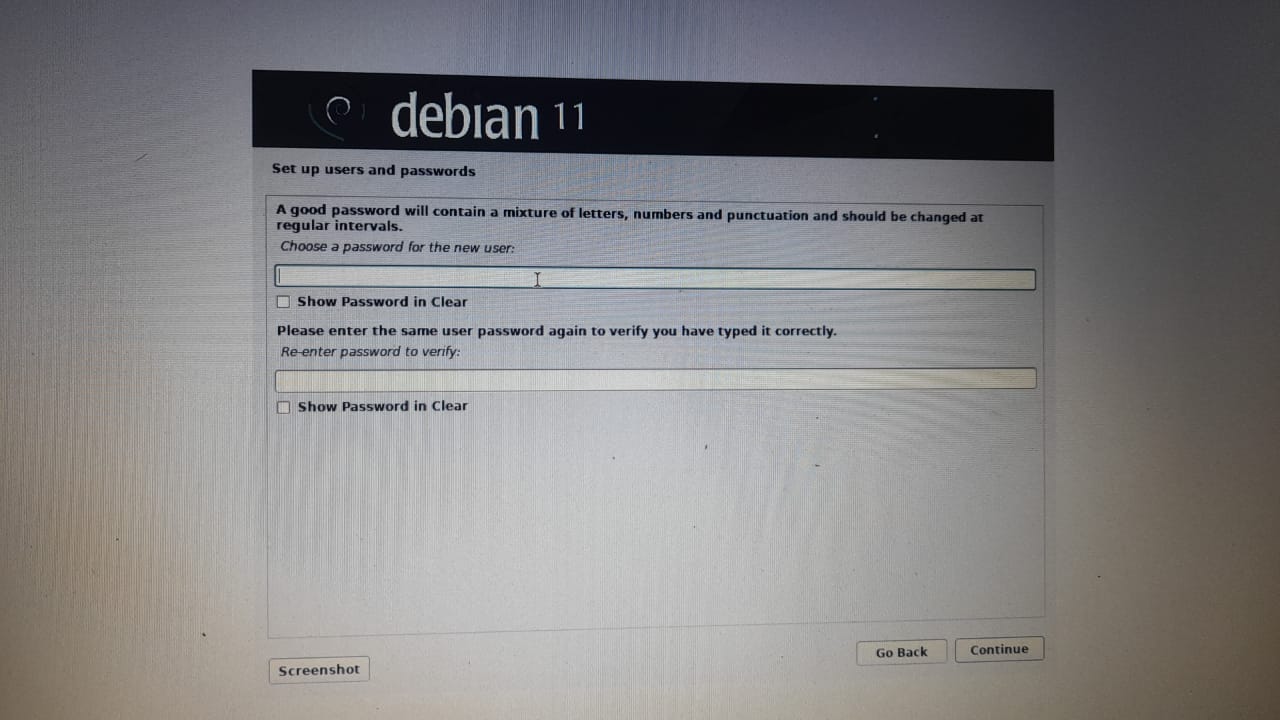
choose a password for root acess this password is used when gaining acesss to root/superuser



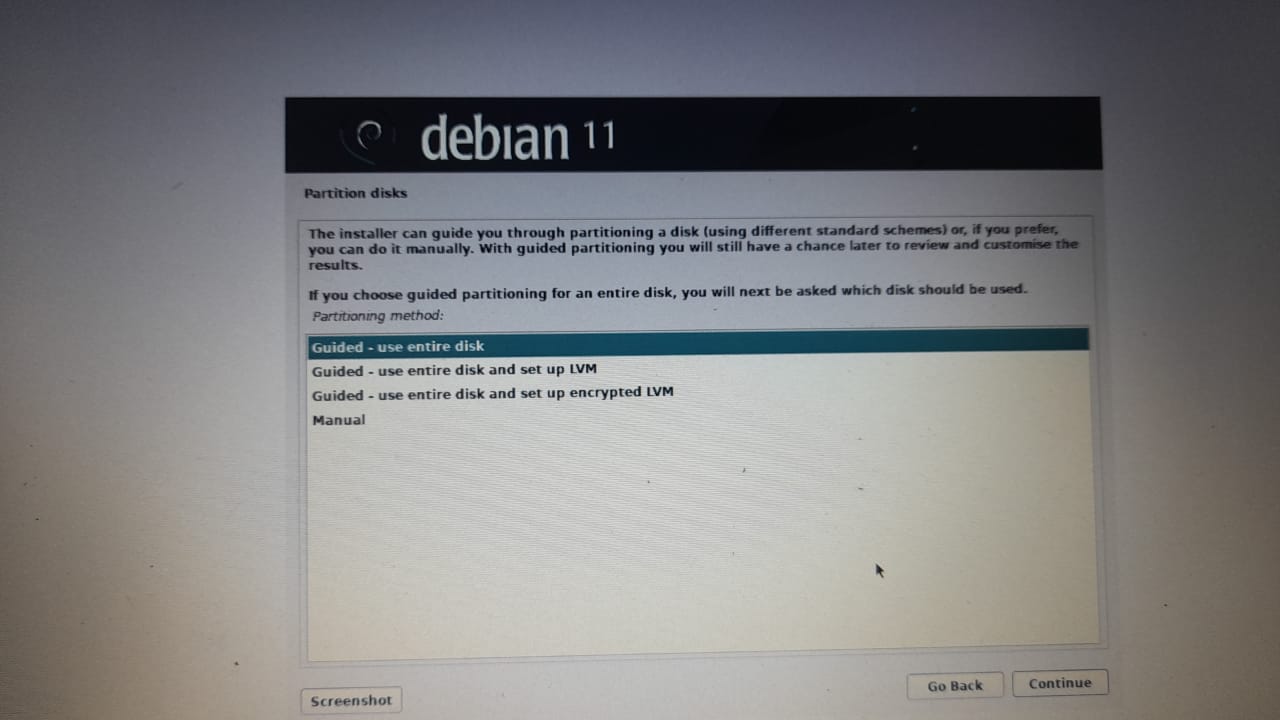
choose the full user name and click on continue



choose the username and click on continue this is the username we use when we are logging into system



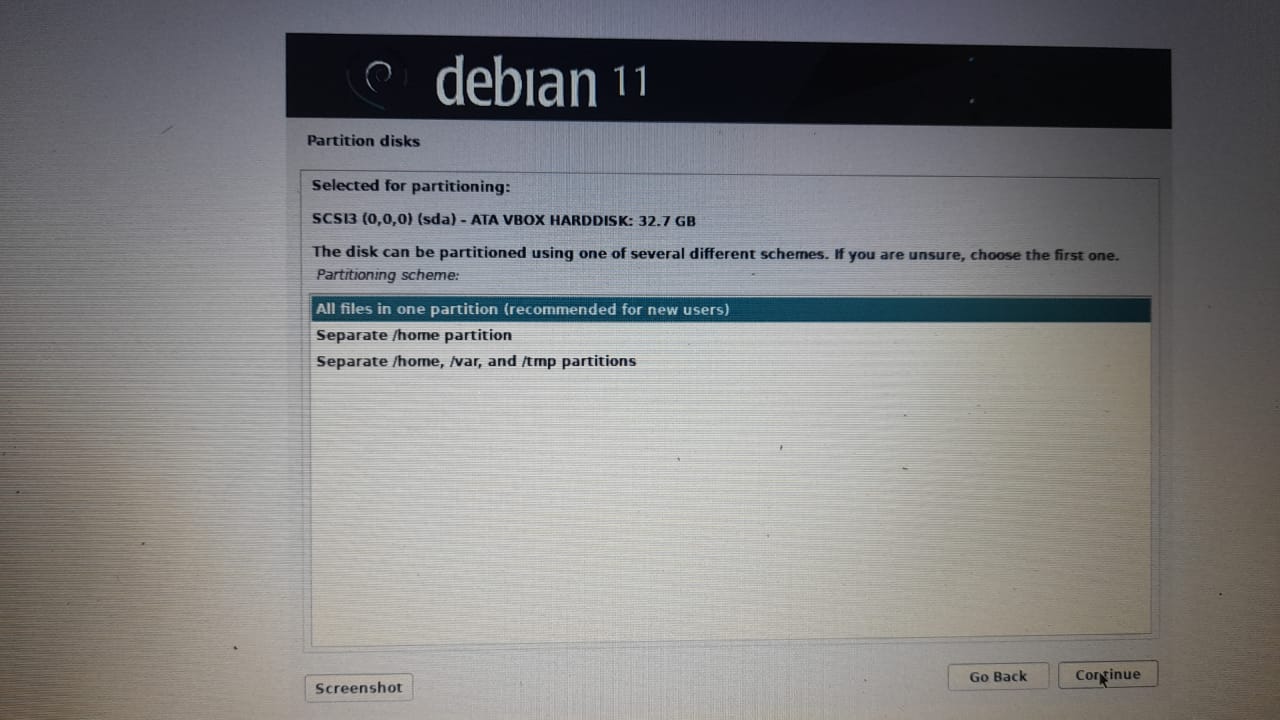
choose a password and click on continue this is the password we use when we are logging into the system



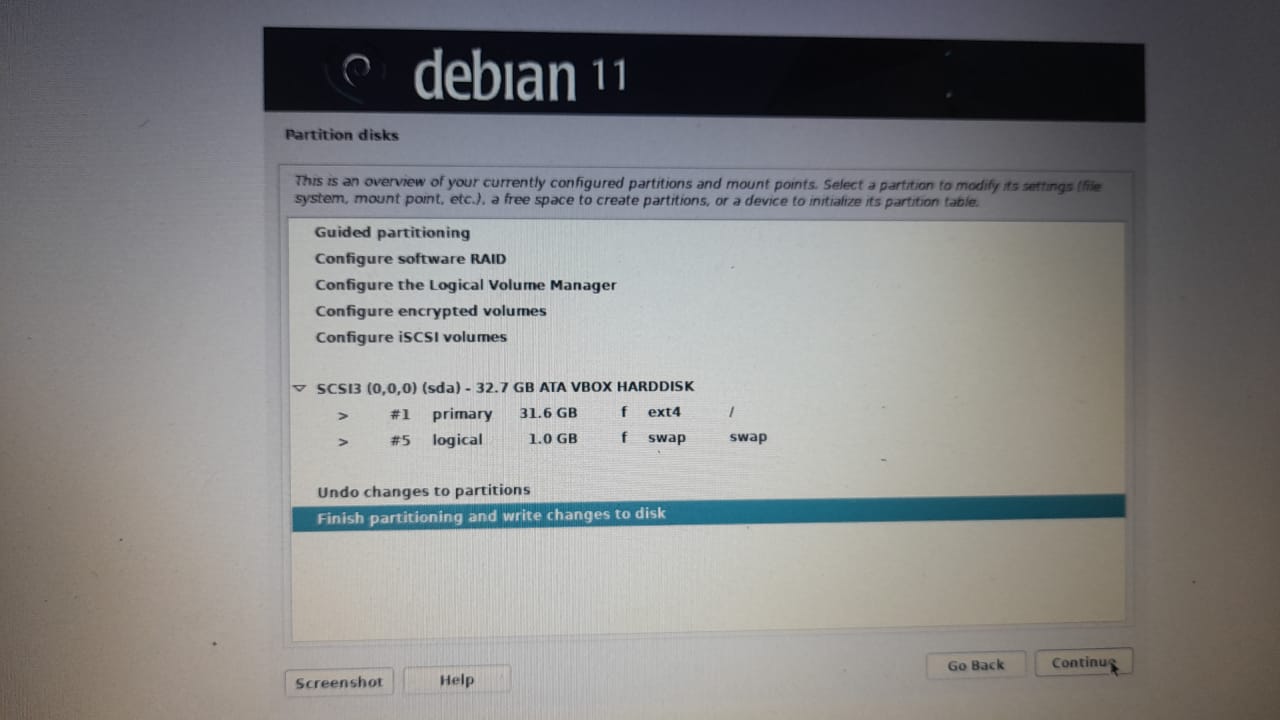
select the guided-use entire disk and click on continue



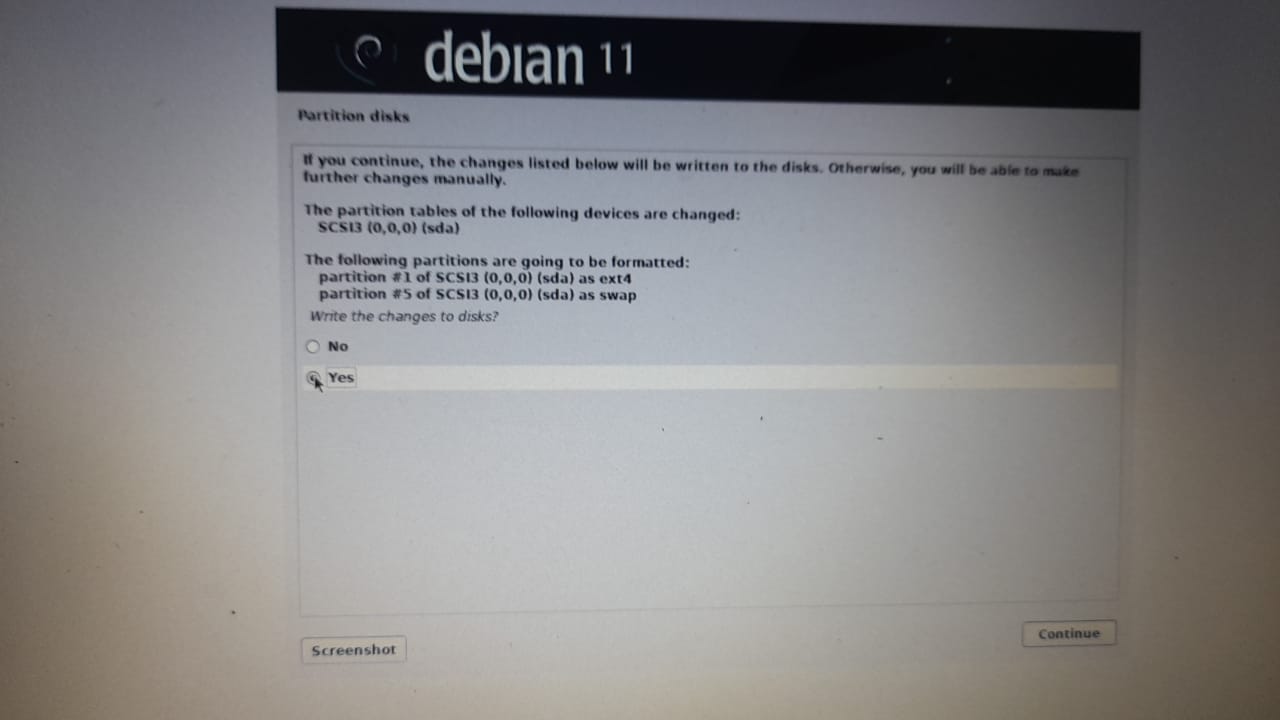
leave it to default and click on continue



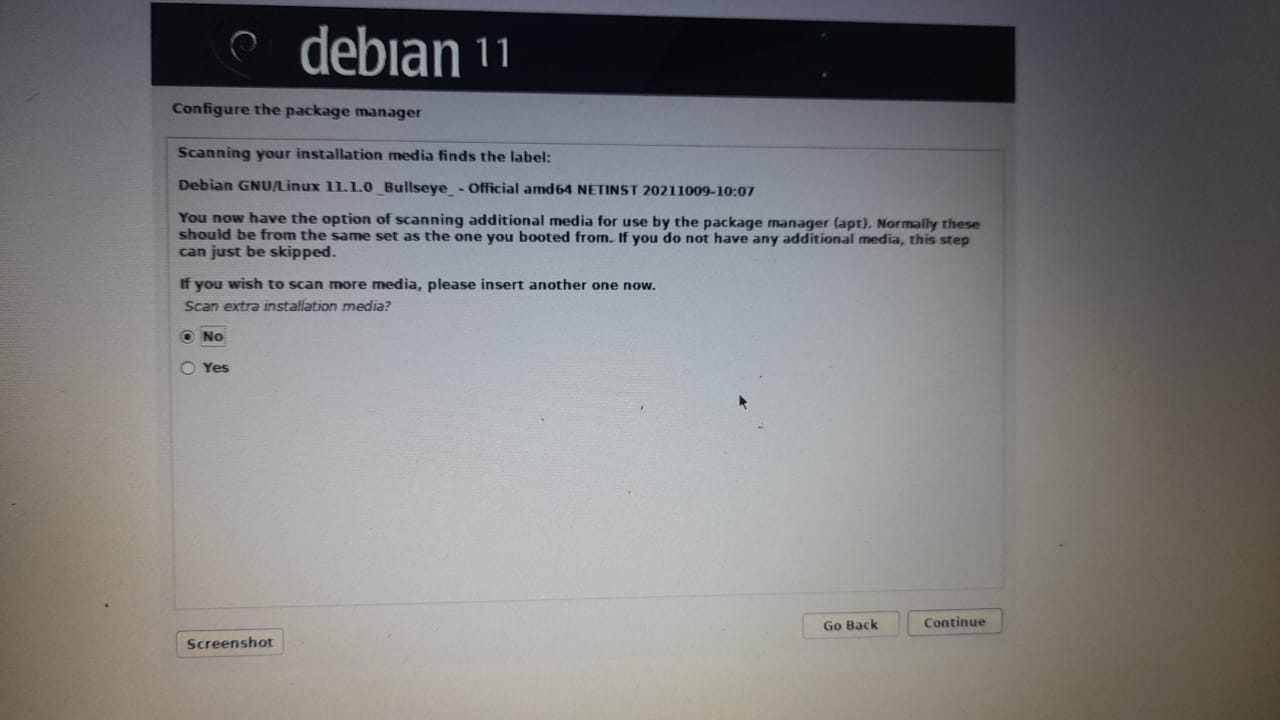
leave it to default and click on continue



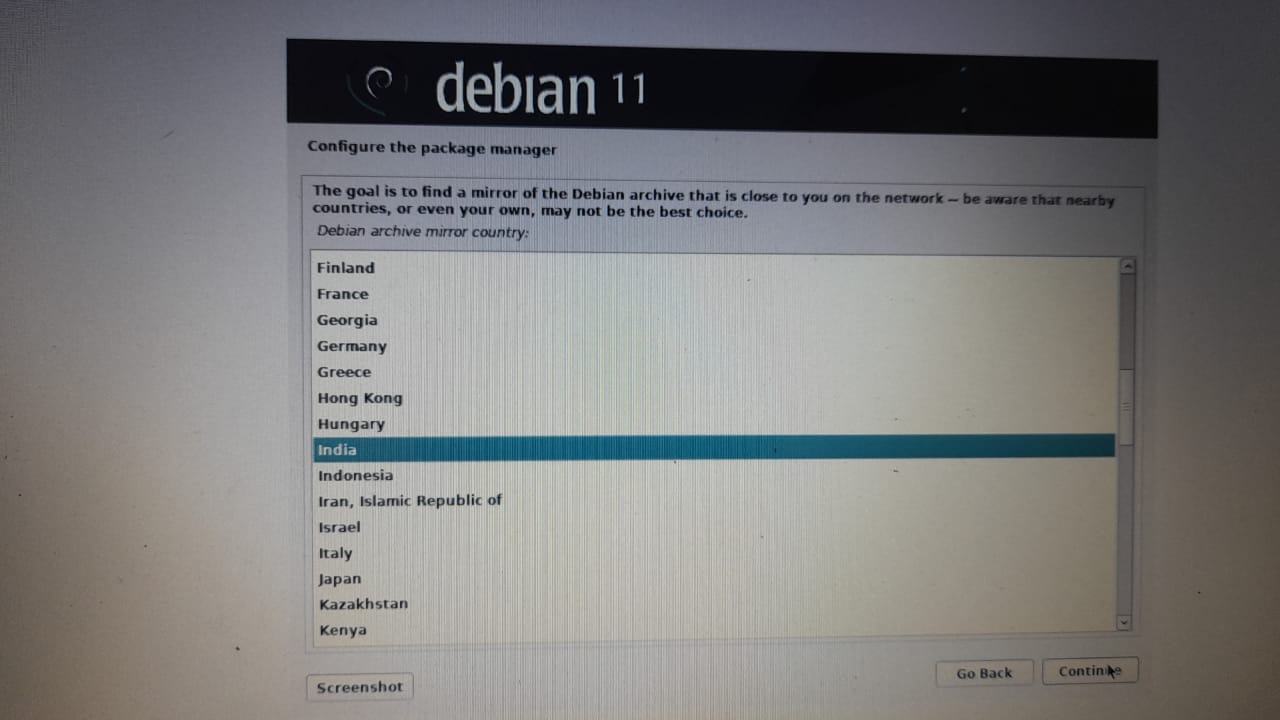
leave it to default and click on continue



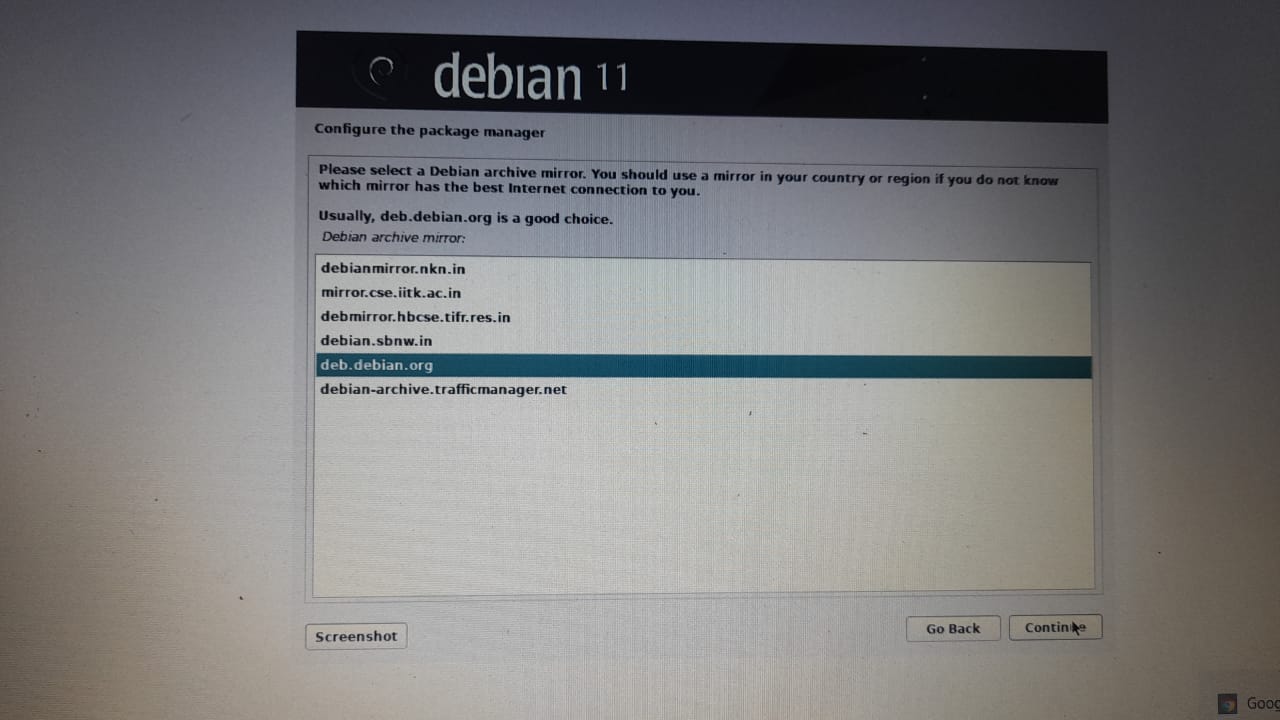
select yes and click on continue



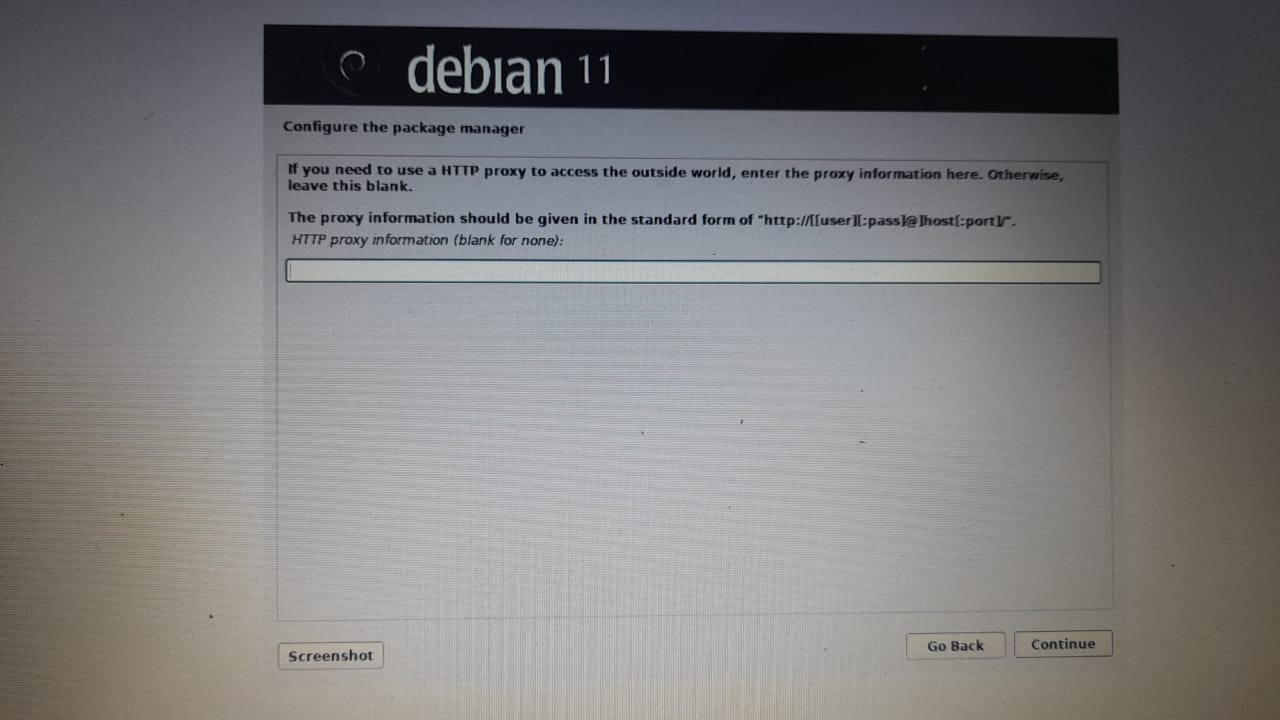
select no and click on continue



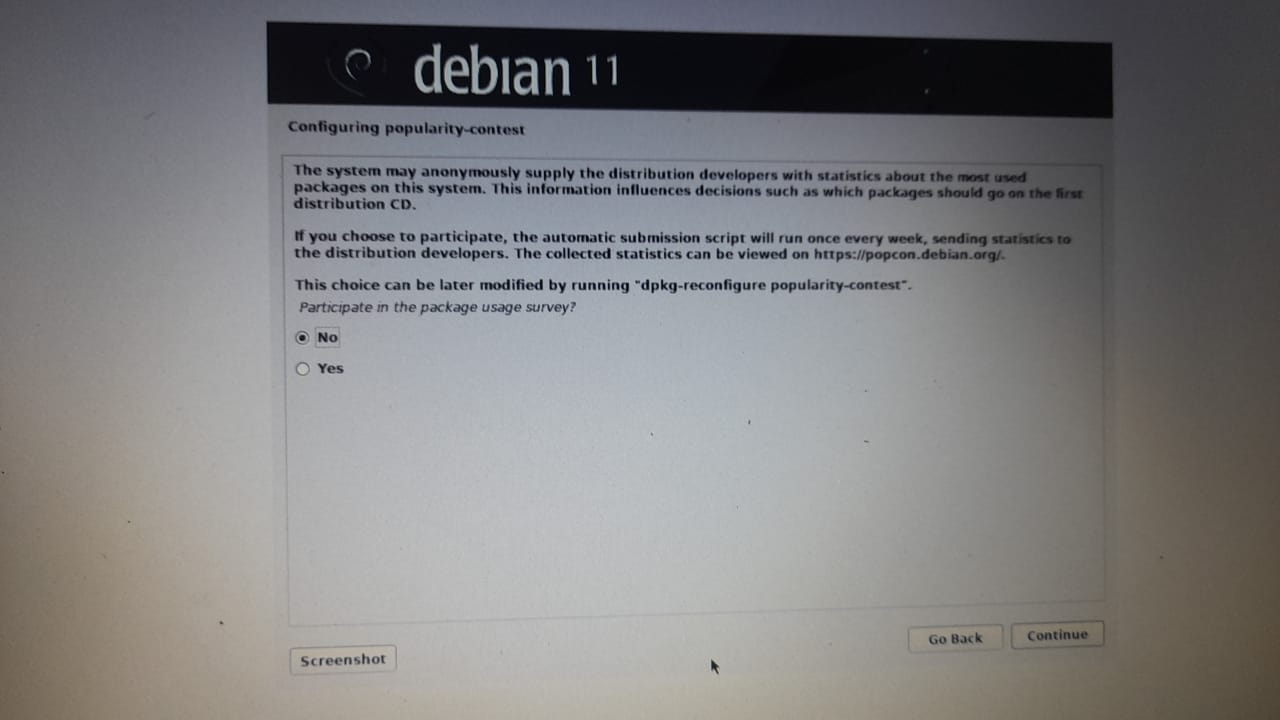
select your country and click on continue



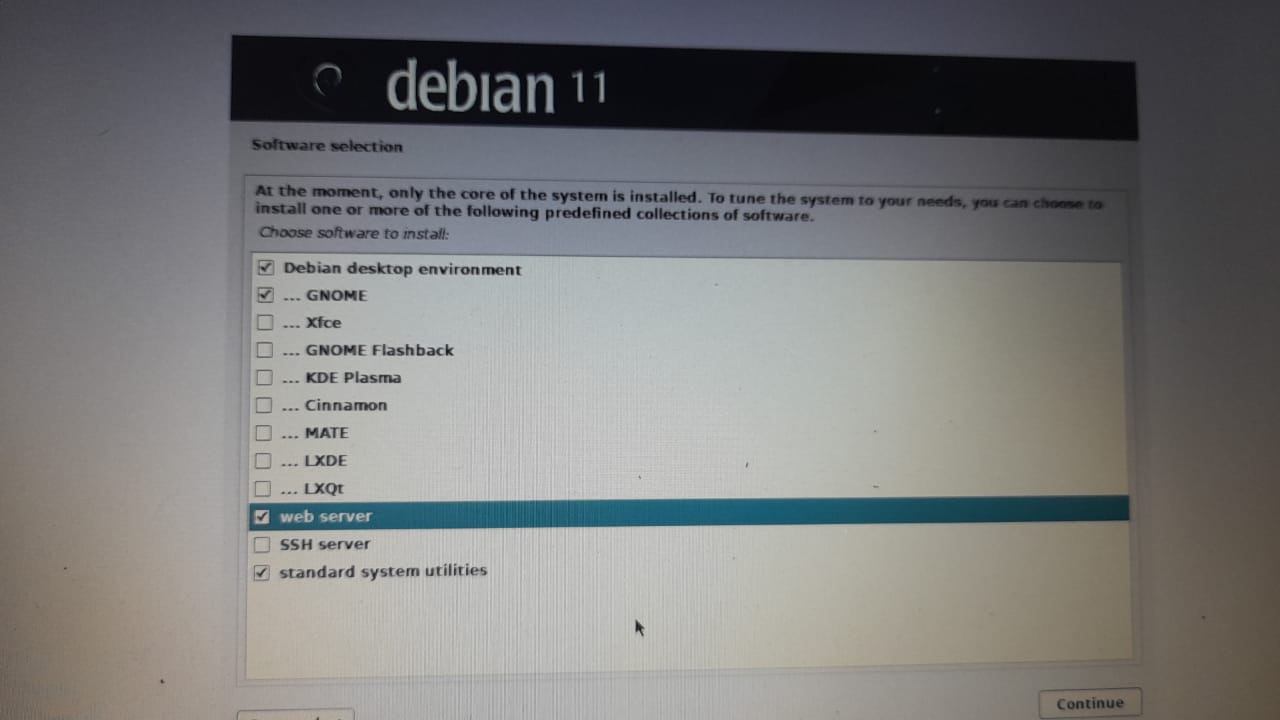
leave it to default and click on continue



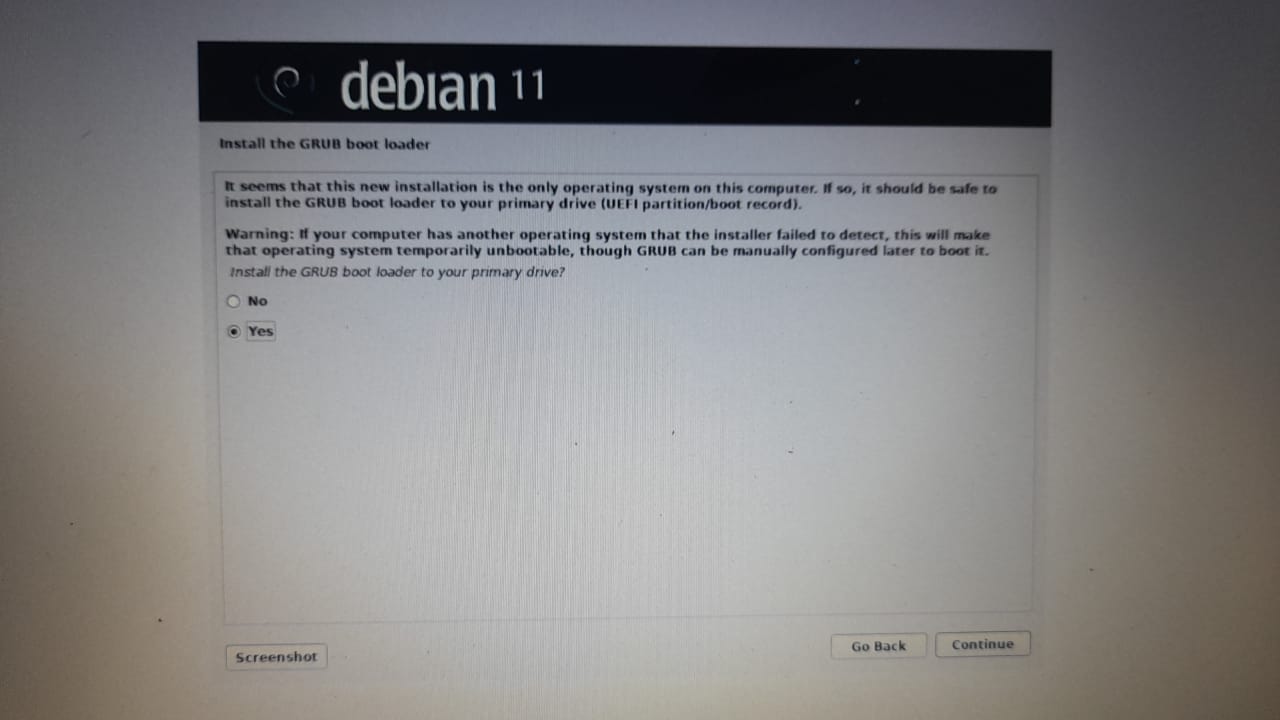
leave it to default and click on continue



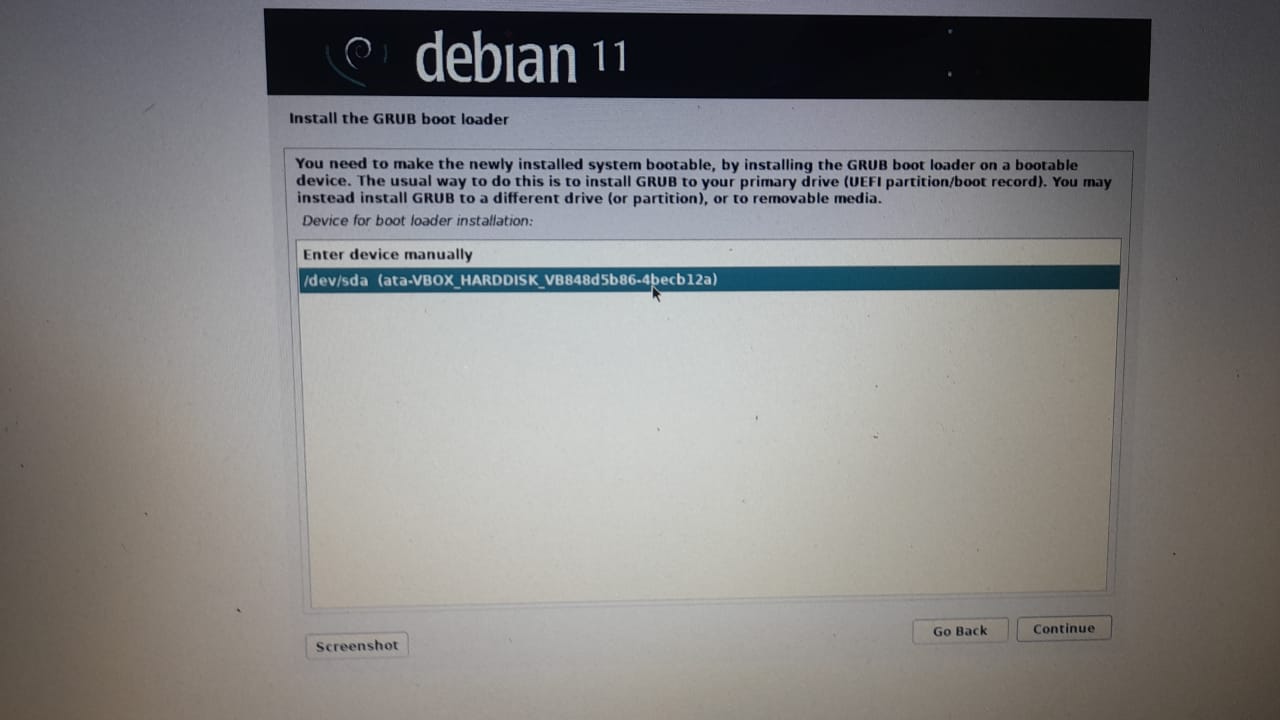
select no and click on continue



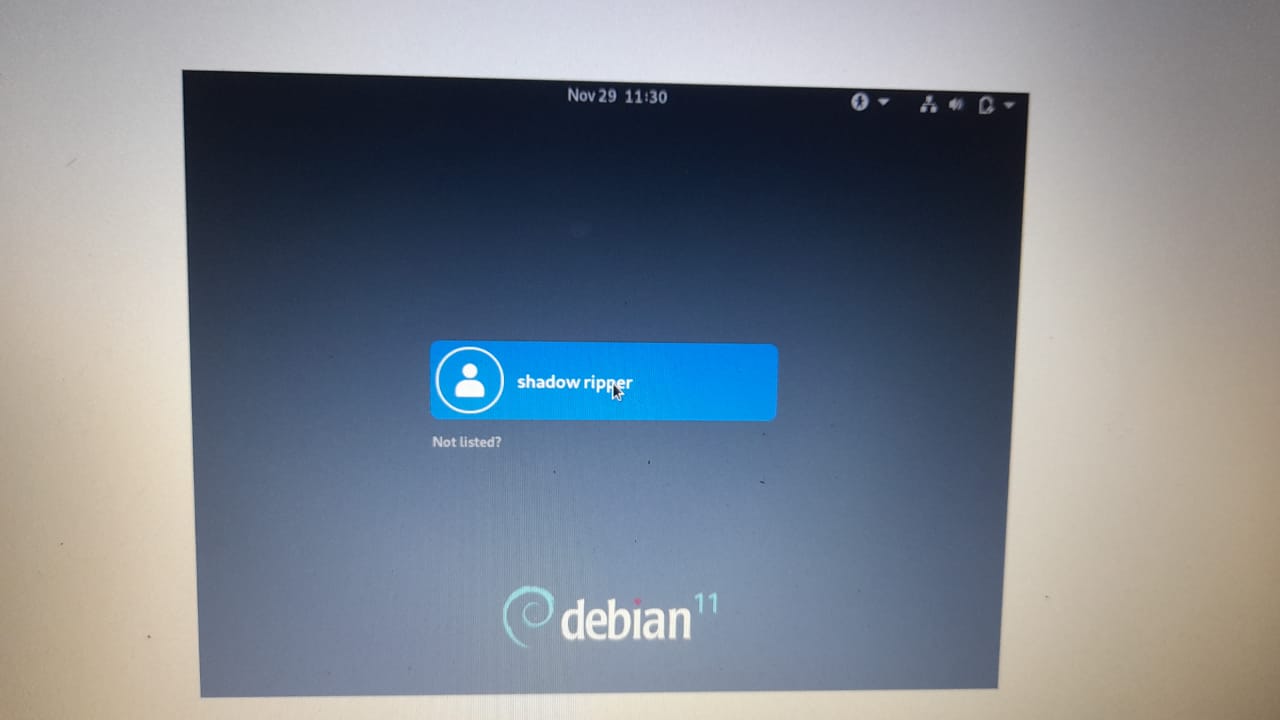
select the software you need to install and click on continue



select yes and click on continue



select the device and click on continue and installation starts after the installation is completed it automatically reboot and start our new virtual machine.after everything is done it looks like as shown



click on the user it will ask for the password type it then you will logged into your new operating system

NOTE: after logging in we need to change the resolution to do that rigth click the mouse and click on display settings in that click on resolution and change it (recommended is 1920\*1200)

step 3: modifiying