NETWORKING & SYSTEM ADMINISTRATION LAB

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Roll No:38

Batch:S2 MCA

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Experiment No.: 3

Aim

You are given a computer with very low hardware resource.it is to be used as a kiosk.

Identify and install a suitable linux distribution. you can simulate it in a virtual environment

Procedure

.Step-1

Download the latest version of VirtualBox from https://www.virtualbox.org/. Install and run it. It should appear as in Figure 1, except that if this is your first time running it, there won't be any other guest operating systems already installed.

Step-2

Click the New button and fill in the Create Virtual Machine form. Pick an appropriate name. Choose a machine folder on your laptop that will contain the virtual machine image. The type should be Linux, and the version should be Ubuntu (64 bit). Set a memory size for the virtual machine, but don't give it more than half of the memory of your host laptop. Select the Create a virtual hard disk now radio button. Click the Create button.

Step-3

On the Create Virtual Hard Disk form ,specify the maximum size to which Ubuntu's virtual hard disk can grow. Select the VDI (VirtualBox Disk Image) and the Dynamically allocated radio buttons. Click the Create button. This creates the new virtual machine named, for example, Ubuntu 18.10

Step-4

Select the name of the newly created virtual machine. Click the Settings icon at the top. Then click on System in the left panel. In the System Settings form, select the Motherboard tab. Specify the amount of base memory you want to devote the virtual machine, but not more than half of the physical memory in your host machine. Select the Processor tab and specify the number of CPUs you want to devote to the virtual machine, but not more than half the number of CPUs in your host machine. Click the OK button.

Step-5

Click Storage in the left panel. The Storage Settings form shows the virtual CD ROM drive, which is initially empty, and the virtual hard drive, which is the .vdi virtual disk image that VirtualBox created. Select Empty under Controller: IDE.

Step-6

You want to install Ubuntu on the virtual machine, so you must "insert" the .iso installation disk image file that you downloaded earlier into the virtual CD ROM drive. Look under Attributes and click on the image of the disk to the right of the dropdown menu. Select the .iso file to insert into the drive. You should now see the .iso file name under Controller: IDE. Click the OK button.

Step-7

Now you are ready to start the virtual machine in order to install Ubuntu. To start the Ubuntu virtual machine, highlight it and click the Start button at the top.

Step-8

Choose your language and click Install Ubuntu to start the installation process. At various times, you will be asked to make a choice. Except otherwise directed, you should accept the default choices.

Step-9

On the Installation type form, accept the choice Erase disk and install Ubuntu. The disk that it will erase is the virtual disk, not your host laptop's physical disk! Click the Install Now button and the subsequent Continue button.

Step-10

Enter appropriate names. The username will also become the name of your home directory in /home. The passwords will become your login passwords.

Step-11

The installation process will take a while, especially if you have a slow Internet connection. You can watch files download and install, or you can go have a cup of coffee. When it's finally done, it will ask you to restart. Press the Restart Now button.

Step-12

Ubuntu will restart and ask you to remove the installation disk from the virtual CD ROM drive (Figure 13). Right-click on the image of the CD ROM at the bottom of the screen and select Remove disk from virtual drive. You may need to press the right control key on your keyboard if the virtual machine has "captured" your mouse. After removing the disk, click in the Ubuntu window and press the enter key.

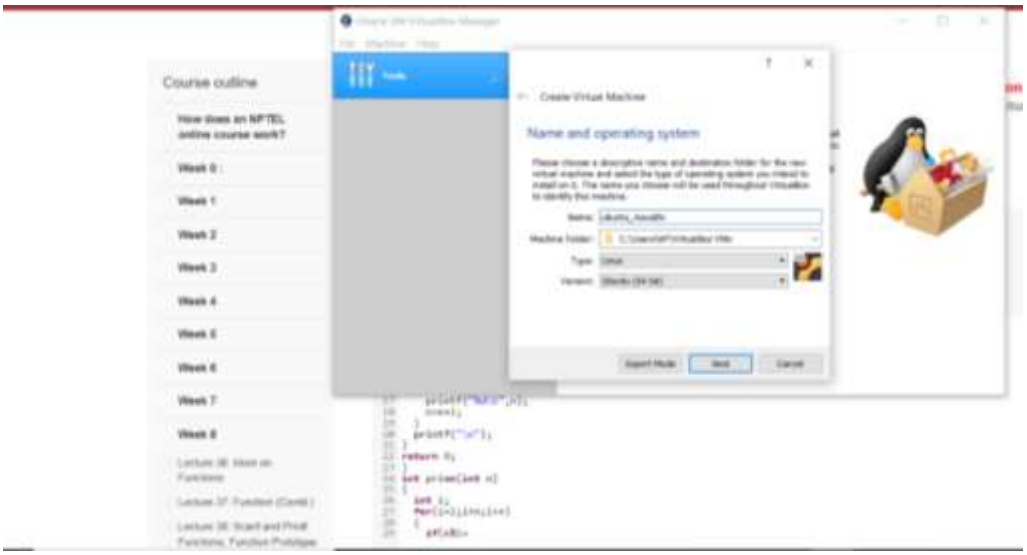
Step-13

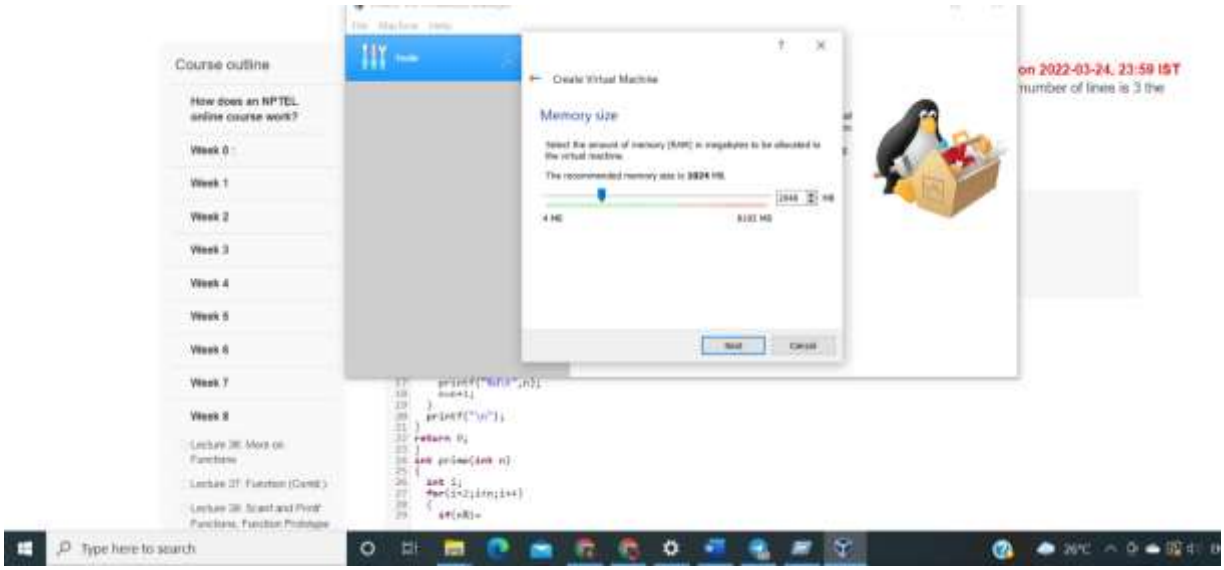
After the VirtualBox splash screen and some system startup messages, you will be asked to log in.Click on your name and enter your password.

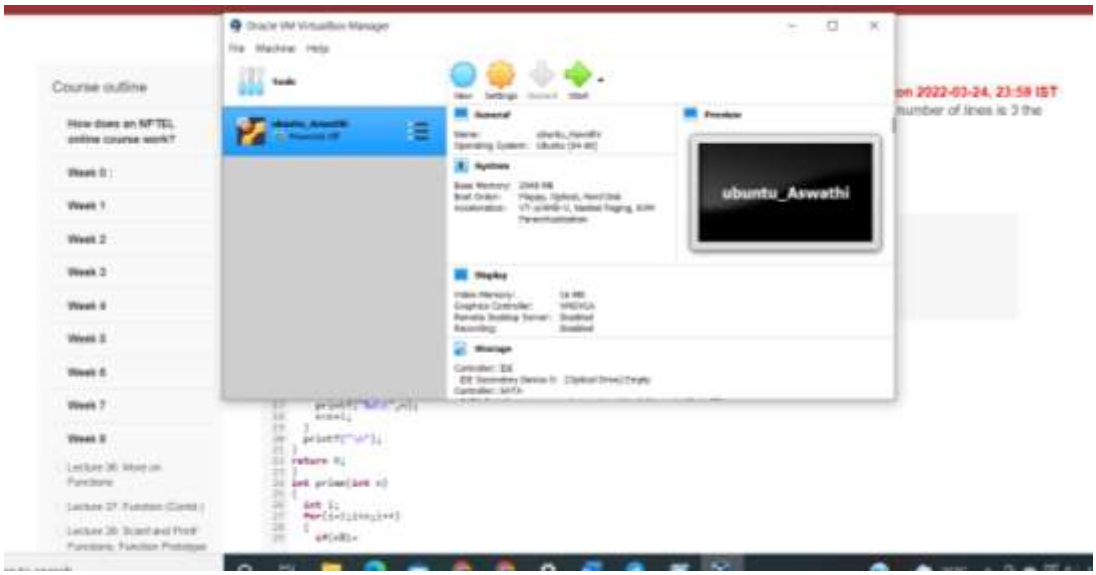
Step-14

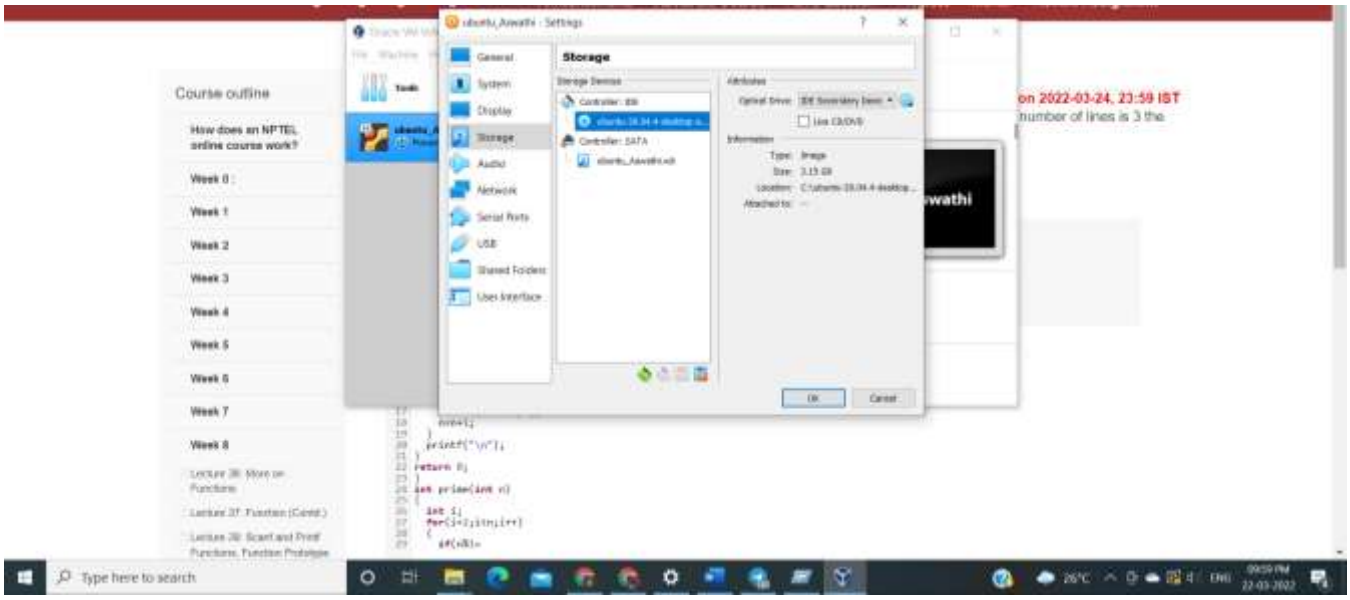
You have successfully installed Ubuntu as a virtual machine.

Output






Course outline
How does an NPTEL online course work?
Week 0 :
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
ubuntu_Aswathi
on 2022-03-24, 23:59 IST
number of lines is 3 the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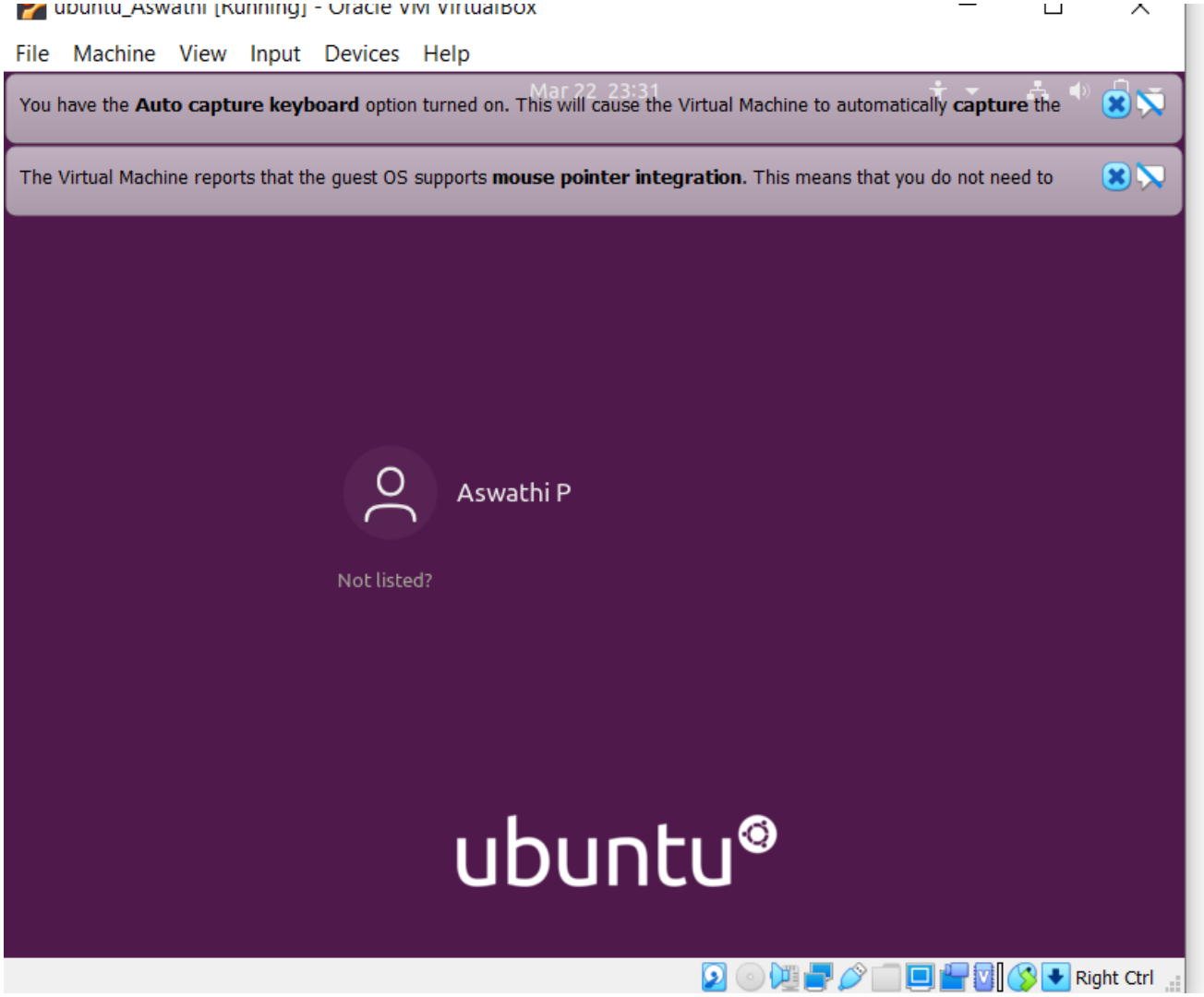
Storage
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
OK
Cancel
on 2022-03-24, 23:59 IST
number of lines is 3 the
Type here to search


ubuntu_Aswathi [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mar 22 23:31
You have the Auto capture keyboard option turned on. This will cause the Virtual Machine to automatically capture the
The Virtual Machine reports that the guest OS supports mouse pointer integration. This means that you do not need to
Aswathi P
Not listed?
ubuntu
Right Ctrl