

Name: Zeenat

Class: TYIT

Roll no: 578

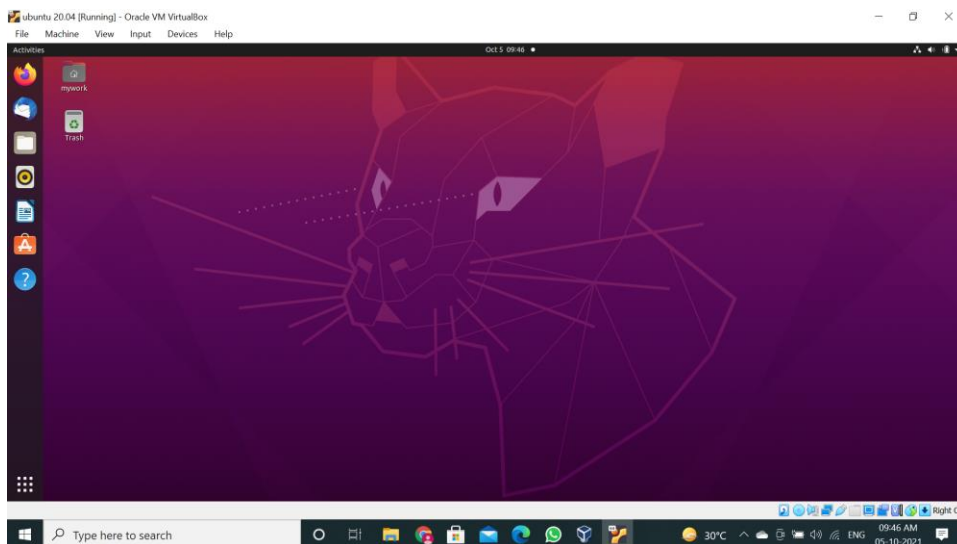
Date of Exam: 5/10/2021

Batch no: 2

List down the steps of Installation and Configuration of virtualization using KVM then implement the practical and upload screenshots of output on Google classroom in pdf format or mention not able to perform due to system compatibility and add proof of the same.

Ans: This Practical Is Not Implemented Because The CPU Support Is Not Eligible(system is not able to pefrome)

First open the linux ubuntu



Before the installation KVM we check cpu suppoert hardware virtulazition

If the ans is 0 mens system is not supported

My system is not supported to the KVM

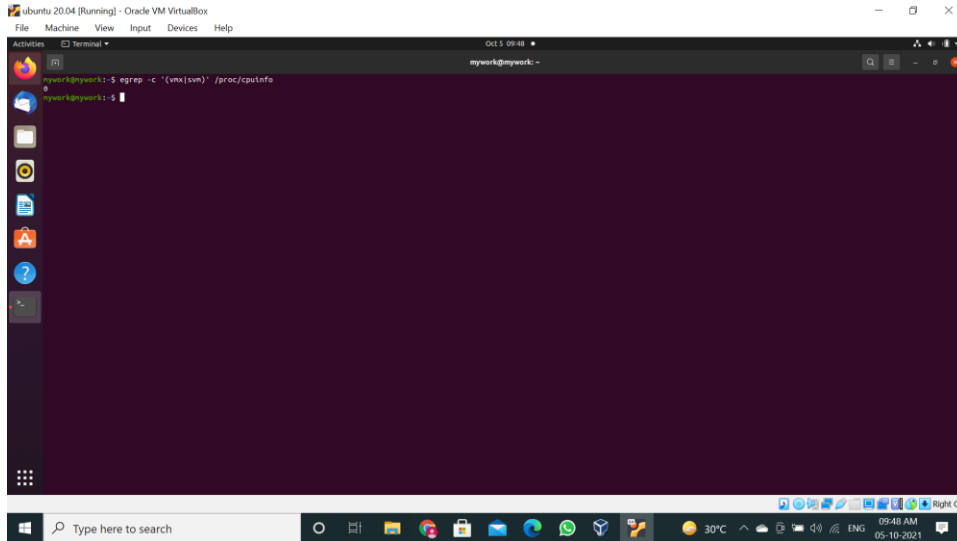
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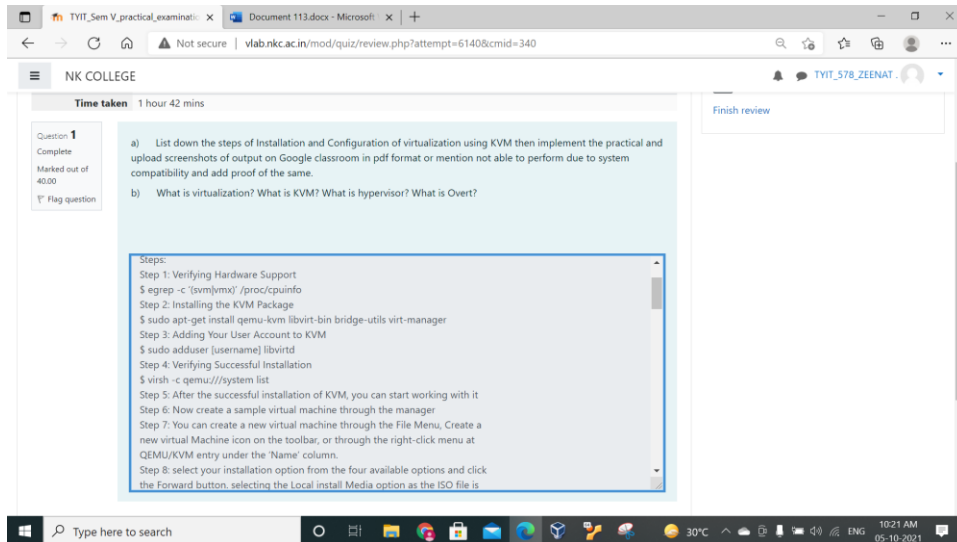
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Terminal window showing the command `egrep -c '(vmx|svm)' /proc/cpuinfo` and the output `0`. The window title is "ubuntu 20.04 [Running] - Oracle VM VirtualBox".



Web browser showing a quiz review page for NK COLLEGE. The page displays a question about KVM installation steps and a detailed answer.

Question 1
Complete
Marked out of 40.00
Flag question

a) List down the steps of Installation and Configuration of virtualization using KVM then implement the practical and upload screenshots of output on Google classroom in pdf format or mention not able to perform due to system compatibility and add proof of the same.
b) What is virtualization? What is KVM? What is hypervisor? What is Overt?

Steps:
Step 1: Verifying Hardware Support
`$ egrep -c '(svm|vmx)' /proc/cpuinfo`
Step 2: Installing the KVM Package
`$ sudo apt-get install qemu-kvm libvirt-bin bridge-utils virt-manager`
Step 3: Adding Your User Account to KVM
`$ sudo adduser [username] libvirt`
Step 4: Verifying Successful Installation
`$ virsh -c qemu:///system list`
Step 5: After the successful installation of KVM, you can start working with it
Step 6: Now create a sample virtual machine through the manager
Step 7: You can create a new virtual machine through the File Menu, Create a new virtual Machine icon on the toolbar, or through the right-click menu at QEMU/KVM entry under the 'Name' column.
Step 8: select your installation option from the four available options and click the Forward button, selecting the Local install Media option as the ISO file is

Time taken 1 hour 42 mins
Finish review

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The screenshot shows a web browser window with the following elements:

- Browser Tabs:** TYIT_Sem V_practical_examinati... x, Document 113.docx - Microsoft... x, +
- Address Bar:** Not secure | vlab.nkc.ac.in/mod/quiz/review.php?attempt=61408&cmid=340
- Page Header:** NK COLLEGE
- Time taken:** 1 hour 42 mins
- Question 1:** Complete, Marked out of 40.00, Flag question
- Question Text:**
 - a) List down the steps of Installation and Configuration of virtualization using KVM then implement the practical and upload screenshots of output on Google classroom in pdf format or mention not able to perform due to system compatibility and add proof of the same.
 - b) What is virtualization? What is KVM? What is hypervisor? What is Overt?
- Answer Content:**
 - Step 9: choose the location for installing media. You can wish to install it through a CD ROM or DVD, use an ISO image of the installation package.
 - Step 10: For 64 bit systems, you can even choose more than 2 GB from the memory available on the host computer. Through this dialog, you can also select the CPU number from the available processors of your system.
 - Step 11: Click the Forward button after enabling storage.
 - Step 12: Click the Finish button. The installation of your new VM will begin depending on your choices and the installation options you provided.
- Section b) Virtualization:**

Virtualization is essentially a technology that allows creation of different computing environments. These environments are called virtual because they simulate the interface that is expected by a guest. cloud computing the main benefit is to create many virtual machine with the virtual environment and user can use it without install in there physical system. The most common example of virtualization is hardware virtualization, every system need to ram rom network storage to create a server. so using the virtualization we create differet guest machine
- Buttons:** Finish review
- Taskbar:** Windows search bar, taskbar icons, system tray showing 30°C, 10:22 AM, 05-10-2021.