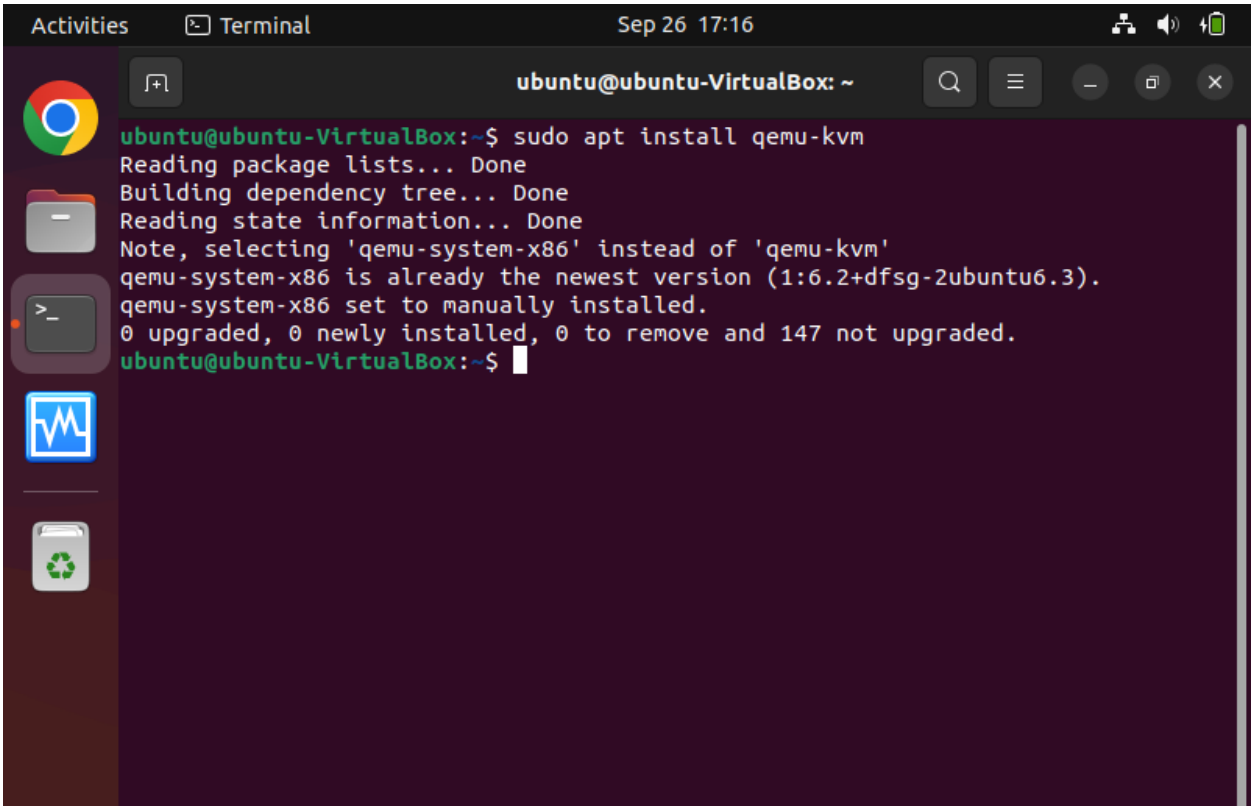
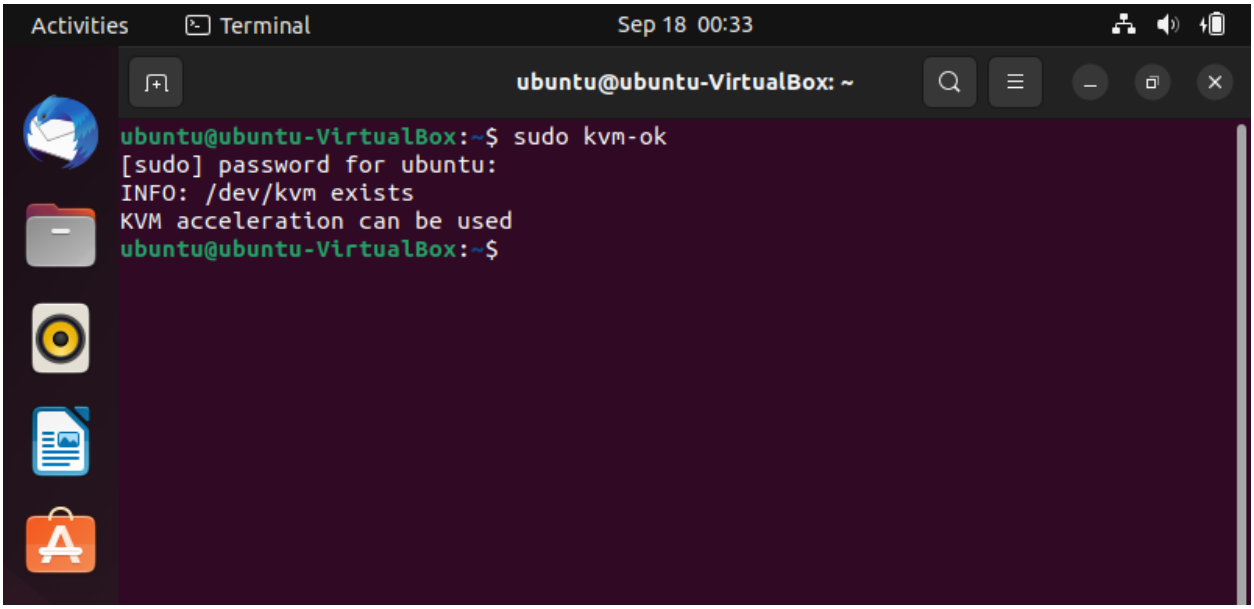
Name: Hitendra Sisodia
Sap id: 500091910

Lab 5: Ubuntu Commands And Installing KVM

Step1: sudo apt install qemu-kvm: This command is used for installing kvm.



Step2: sudo kvm-ok: this command tell us weather we can use kvm or not.



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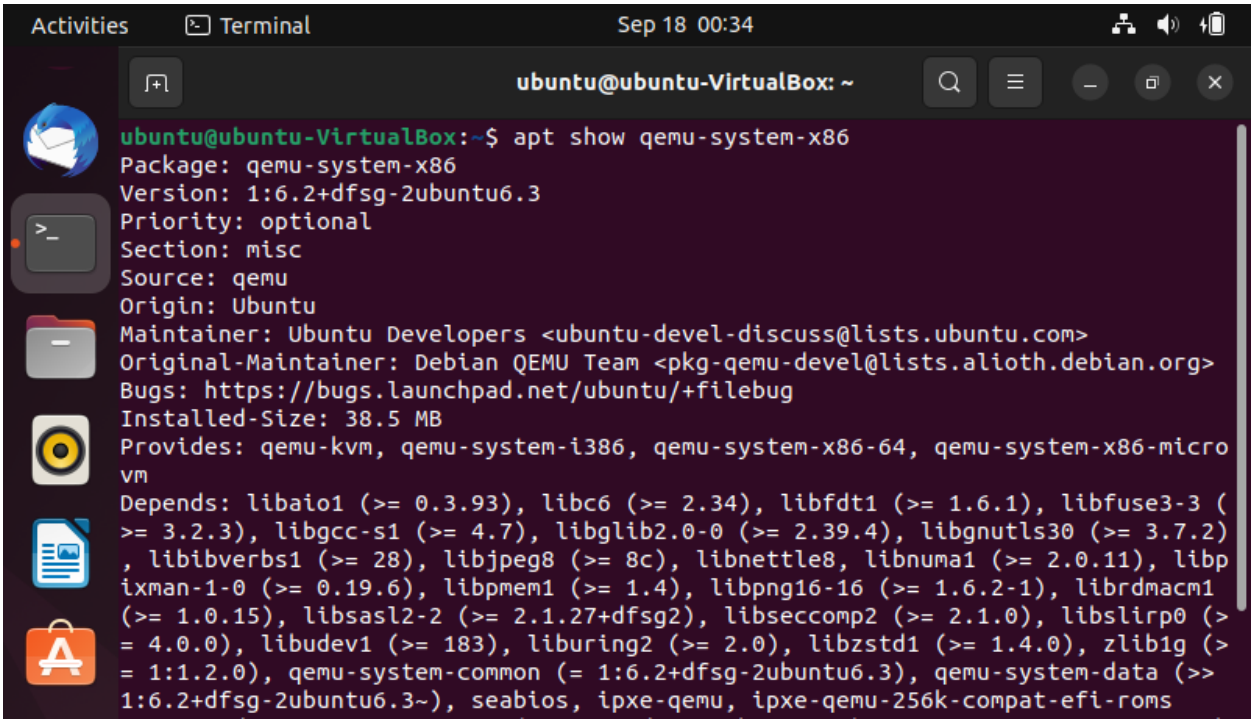
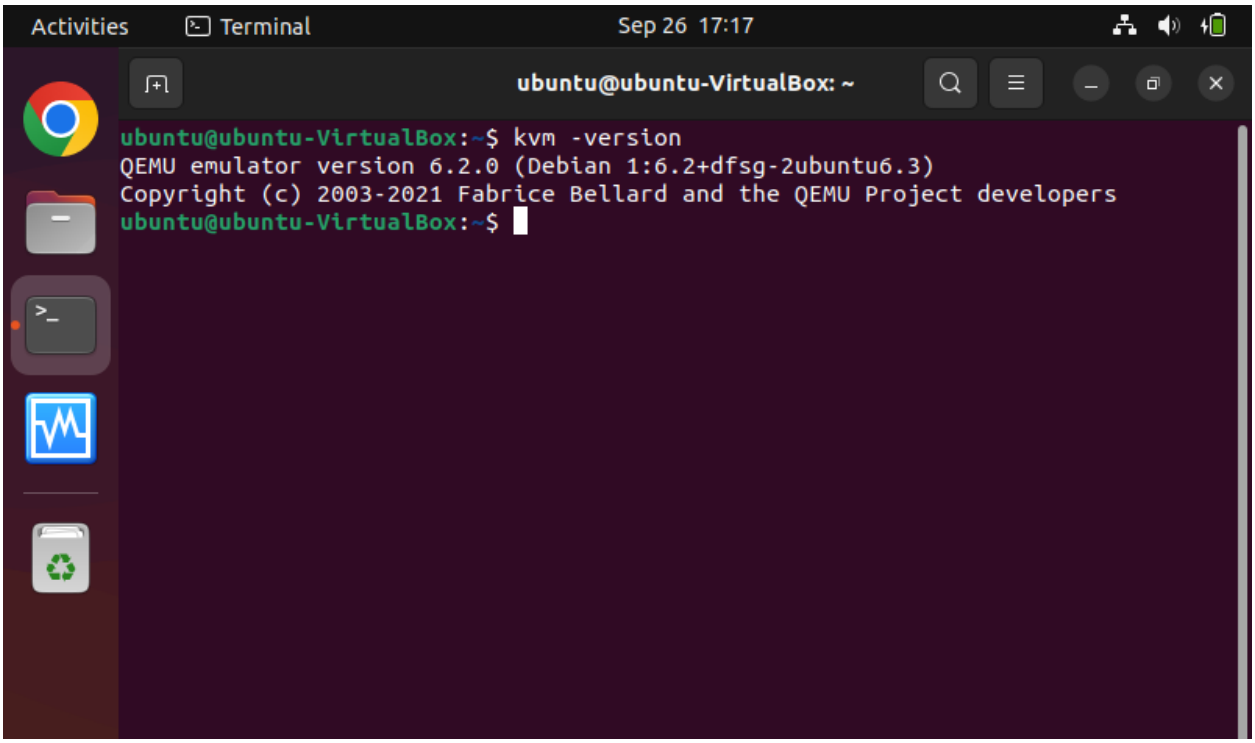
Lab 5: Ubuntu Commands And Installing KVM

Step3: apt show qemu-system-x86: this command is used to check the version of qemu.



Step4: kvm -version: This command is used to check version of kvm installed in previous steps.



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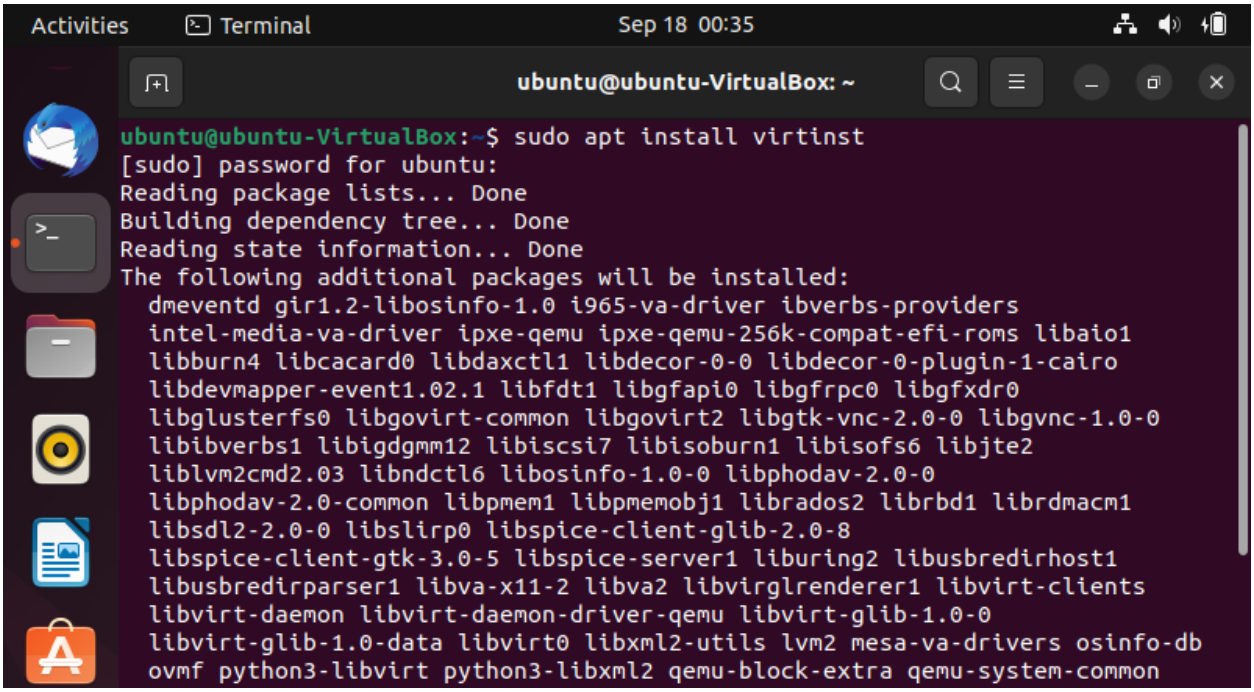
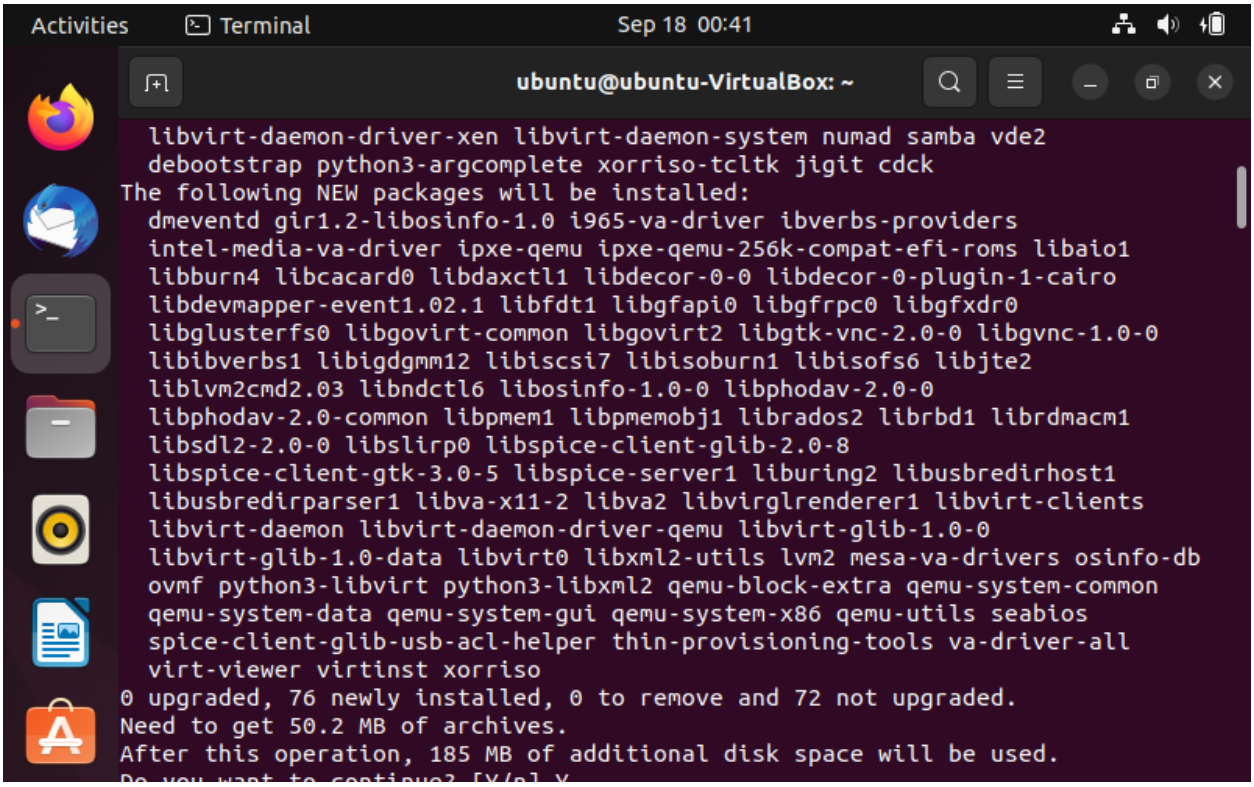
Lab 5: Ubuntu Commands And Installing KVM

Step5: sudo apt install virtinst: Used for installation of virtinst.



Step6: Wait till installation being completed.



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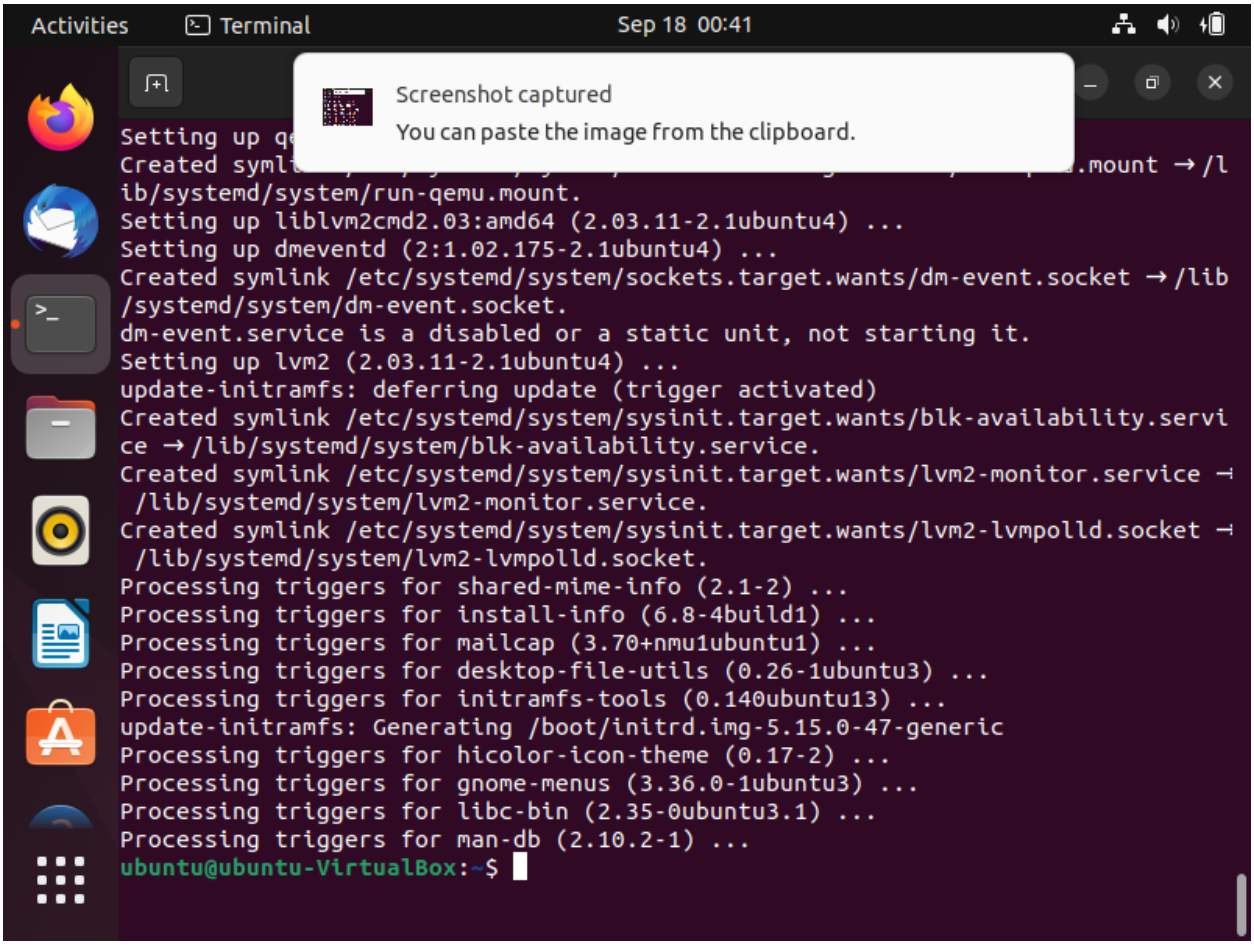
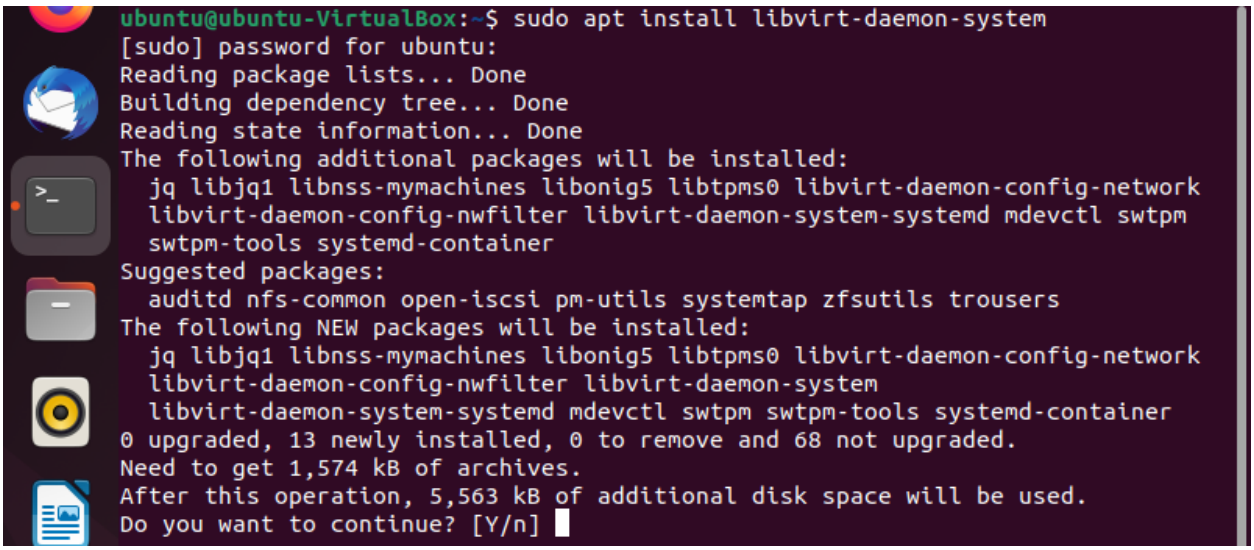
Lab 5: Ubuntu Commands And Installing KVM

Step7: Progress bar showing the installation of virtinst.



Step8: sudo apt install libvirt-daemon-system: Used for installation of libvirt. libvirt is a library, allowing you to use programming languages to configure virtual machines



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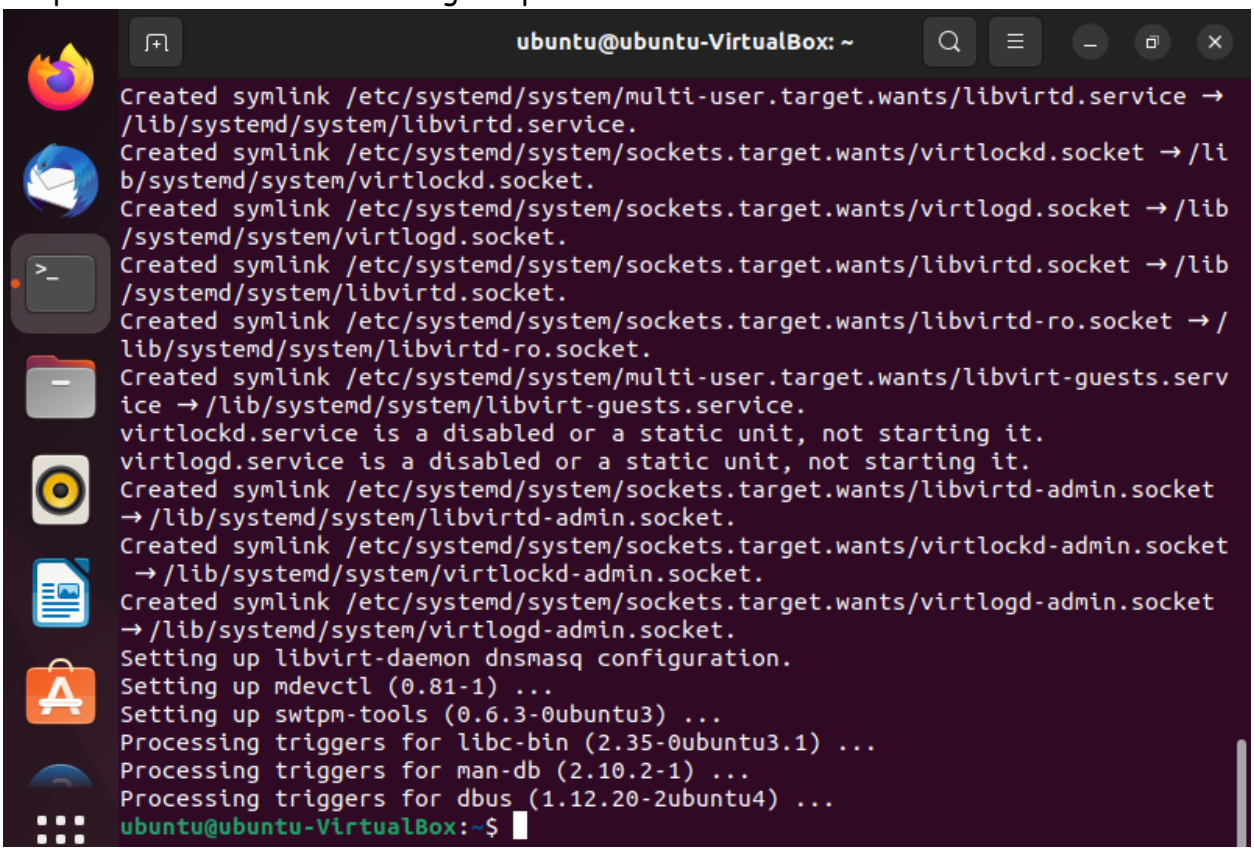
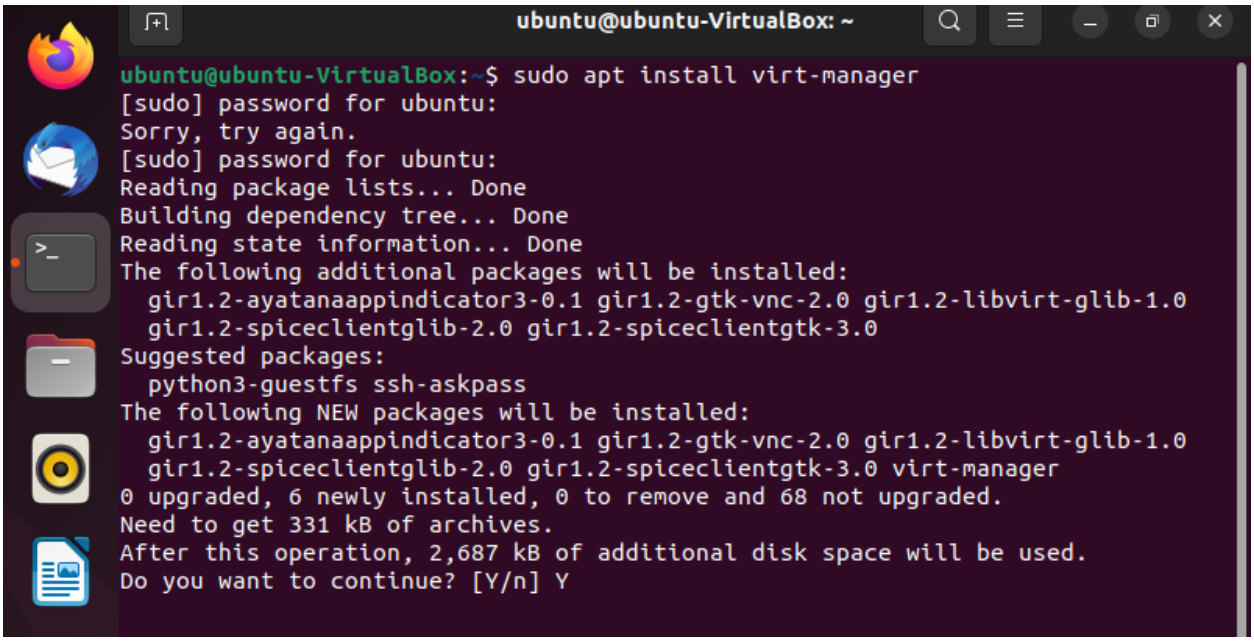
Lab 5: Ubuntu Commands And Installing KVM

Step9: Wait till installation being completed.



Step10: sudo apt install virt-manager: used for installation of virt-manamger. virt-manager provides an easy-to-use GUI similar to VMware/virtual box for managing virtual machines through libvirt.



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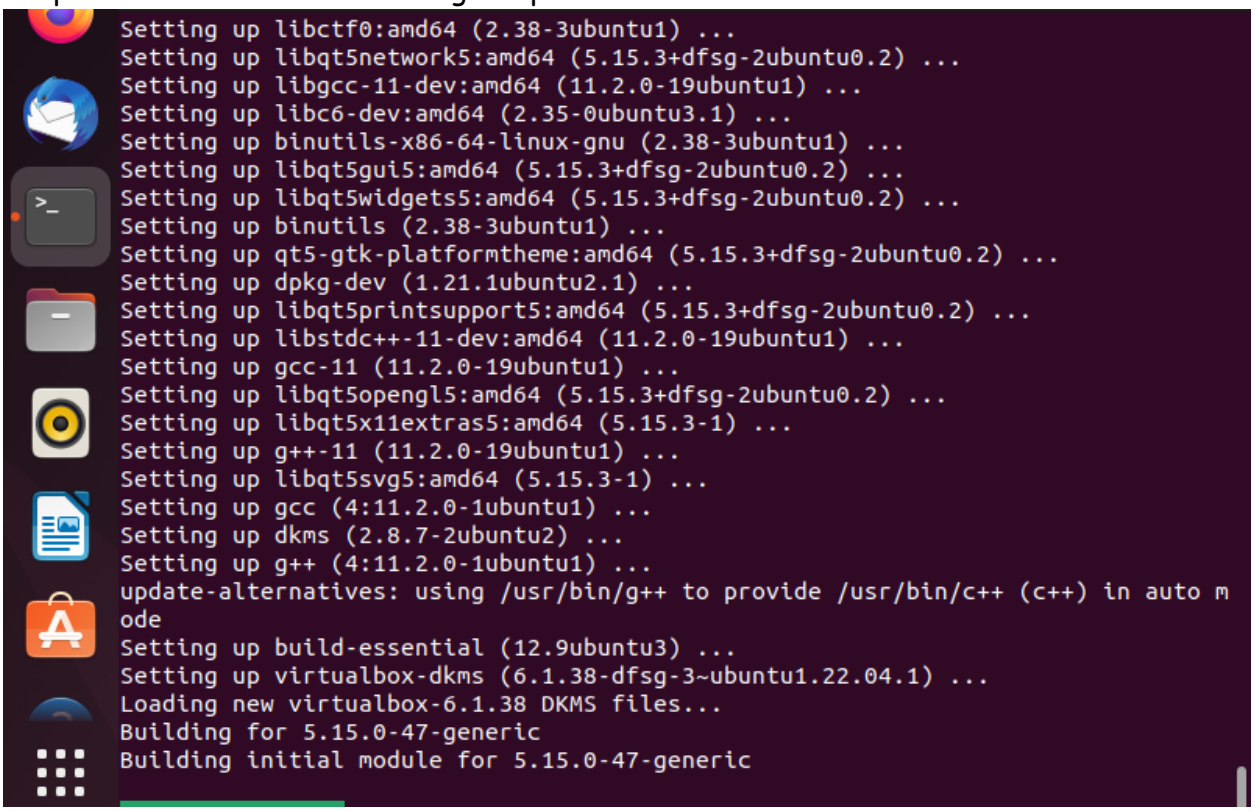
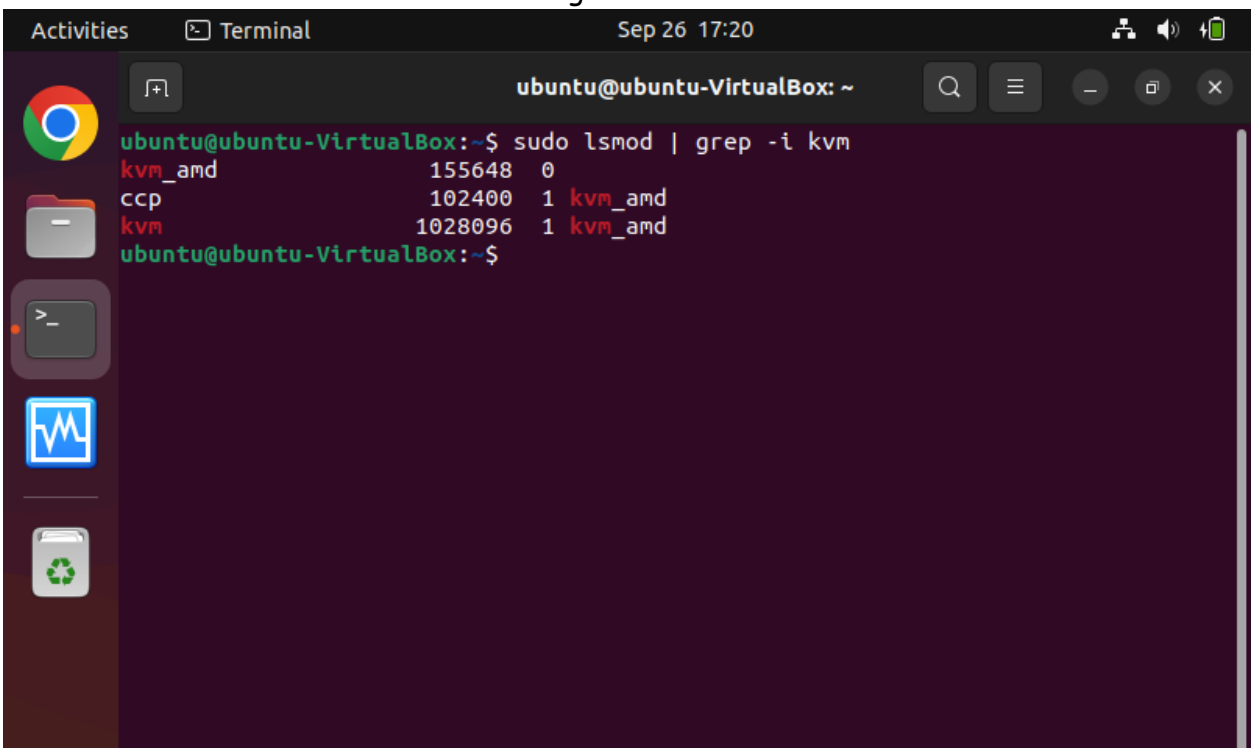
Lab 5: Ubuntu Commands And Installing KVM

Step11: Wait till installation being completed.



Step12: sudo lsmod | grep -i kvm: In case of amd cpu we will get kvm_amd module. From this command we able to create and manage virtual machines.



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Lab 5: Ubuntu Commands And Installing KVM

Step13: The $USER environment variable points to the name of the currently logged-in user. To apply this change, we need to log out and log back again.