**HACKER LAB SETUP**

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**Theme:** Downloading virtual box, kali Linux and neccesory tools for hacking/cybersecurity.

**Vritual Box:** virtual box is simply a software that enables you to make a computer within a computer, here’s what I mean by that actually when we are learning cybersecurity we need a safe environment for practicing things, now we don’t want to practice on our host windows (personal windows that we are using normally), instead we want an environment where we can practice things easily, because in future we may be practicing things/scenarios that can potentially damaged our windows (we cannot tolerate such case coz we have a lot personal data in our windows), so there is a software called virtual box which enables us to make a virtual windows or kali machine within our host machine, now this virtual machine I like we are using another machine other then our host machine, so if during practice we might loose our OS we still have undamaged host OS. Also the OS we will be using in virtual box is kali which is must for cubersecurity.

How to download Virtual Box:

1. Got to this website and download setup according to your os : <https://www.virtualbox.org/wiki/Downloads>
2. When you download it (I download it for windows), click on the installer.
3. Download it in your desired location.

**Kali Linux:** kali linux is linux based OS used by cybersecurity people, this OS is wquiped with some of the required tools for hacking, this OS has many advnatages for cybersecurity field nad it has far more security then windows.  
  
How to download it:

1. Go to this website and install the installer image option.  
   <https://www.kali.org/get-kali/#kali-platforms>
2. After downloading, open your virtual box and hit “New” option and locate and select the iso image of kali you have downloaded.
3. During adding they will ask name and some other things like how much RAM you wanna give it, How much storage you wann give it and how many processors you wanna give this virtual machine. I have given it 4 GB RAM , 25 GB Memory and processors. Which is more then enough at my level.
4. After adding all these things hit start button and when when starts you have to install the kali in it, one by one give all the details to it, if cannot understand a specific option , search it on youtube and ask GPT.
5. After installing properly you ave now setup the environment

NOTE: Kali linux comes with Built In tools which we will be using throughout our journey.