**Assignment No. 4**

Title-

Find a procedure to transfer the files from one virtual machine to another virtual machine

Steps-

* Download and install Oracle's Virtual Box- https://www.virtualbox.org/wiki/Downloads
* Download Ubuntu VMDK Image-

https://app.vagrantup.com/bento/boxes/ubuntu-18.04

* Launch Virtualbox and create a new VM
* Click on new and mention the Name and the machine folder along with the Type and Version of the Machine to be created.
* Assign memory size for our VM (1024 MB sufficient for now).
* Select the option Use an existing virtual hard disk file and locate the downloaded VMDK image and create VM
* Now we have to create a NAT Network so go to File -> Preferences -> Network -> Add a New NAT Network (Click on +)
* Right click and edit the Network name and CIDR if needed.
* Repeat the process of launching the VM for 2 instances
* Now go to the setting, go to the network setting and change the adapter to NAT Network and select the NAT Network you made
* Launch the VM now
* Install the net-tools to know the IP's of the instance

$ sudo apt-get install net-tools

$ sudo apt update

* To know the IP address

$ ifconfig

* create a file and write something into it

$ nano transfer.txt

How are you?

ctrl + X and save

* ls - list all the files and directories

cat - show the content inside a file

* If your file is on the VM with IP \*\*172.168.2.4\*\* and the second VM's IP is \*\*172.168.2.5\*\*.
* Transfer the file using \*\*SCP\*\*
* $ scp tranfer.txt [vagrant@172.168.2.5:/home/vagrant](about:blank)
* Check for the file in the Second VM under the \*\*/home/vagrant\*\* director