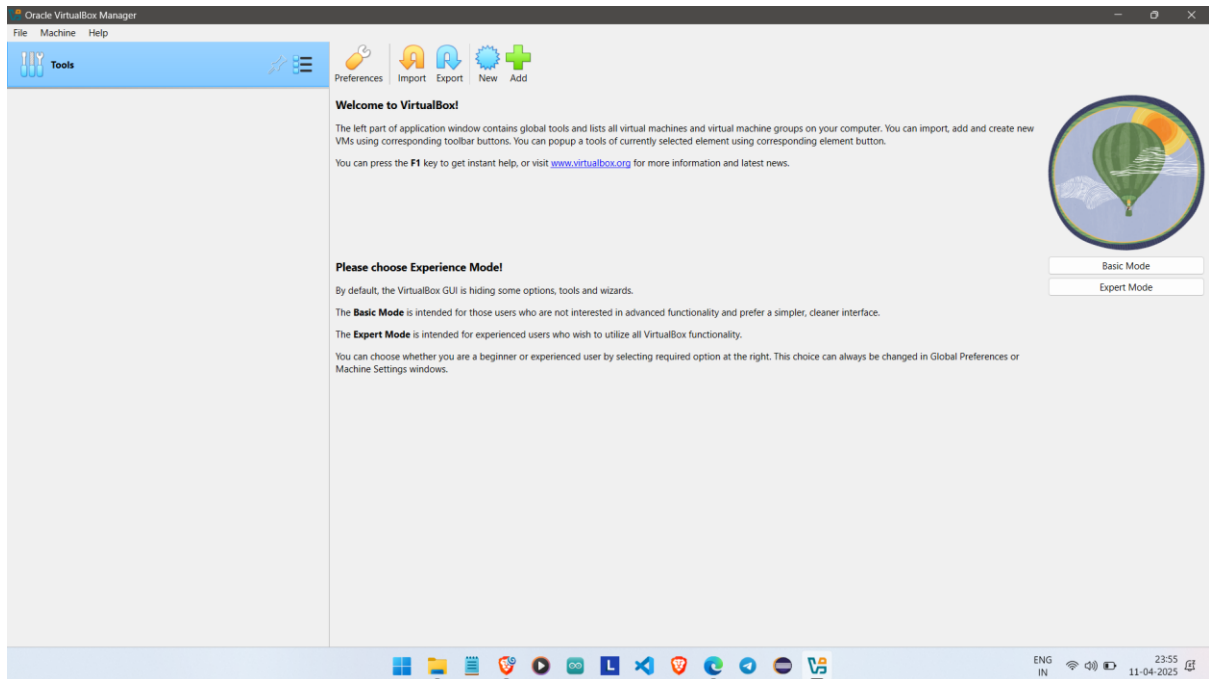


ASSIGNMENT 10

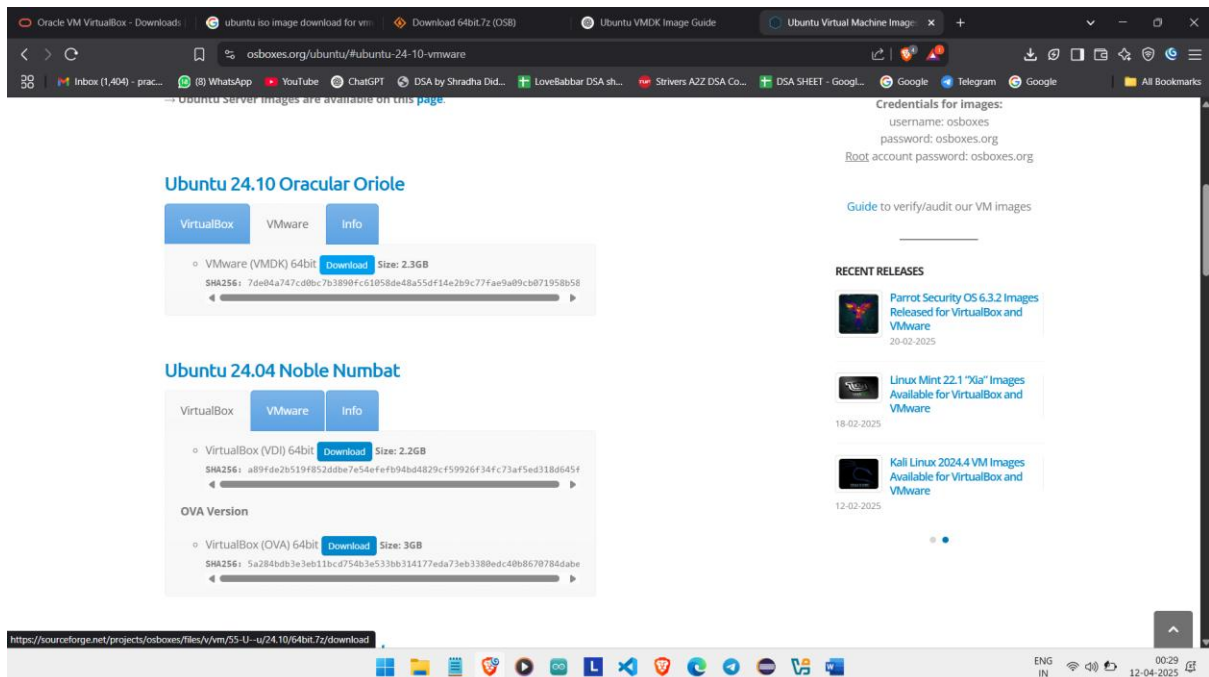
Title: Find a Procedure to transfer files from one virtual machine to another.

Implementation:

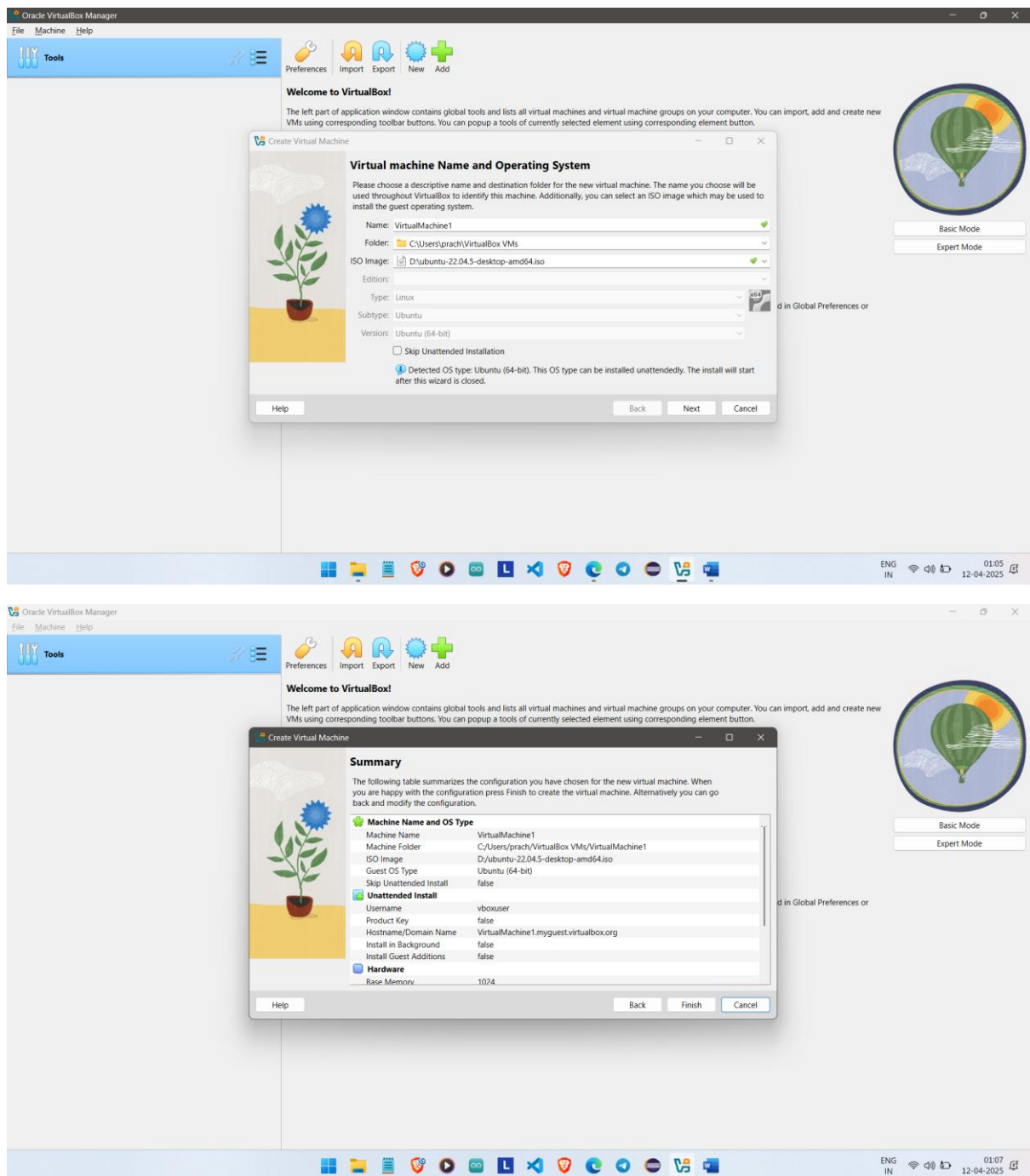
1. Download and install Oracle's Virtual box.



2. Download ubuntu VMDK image.

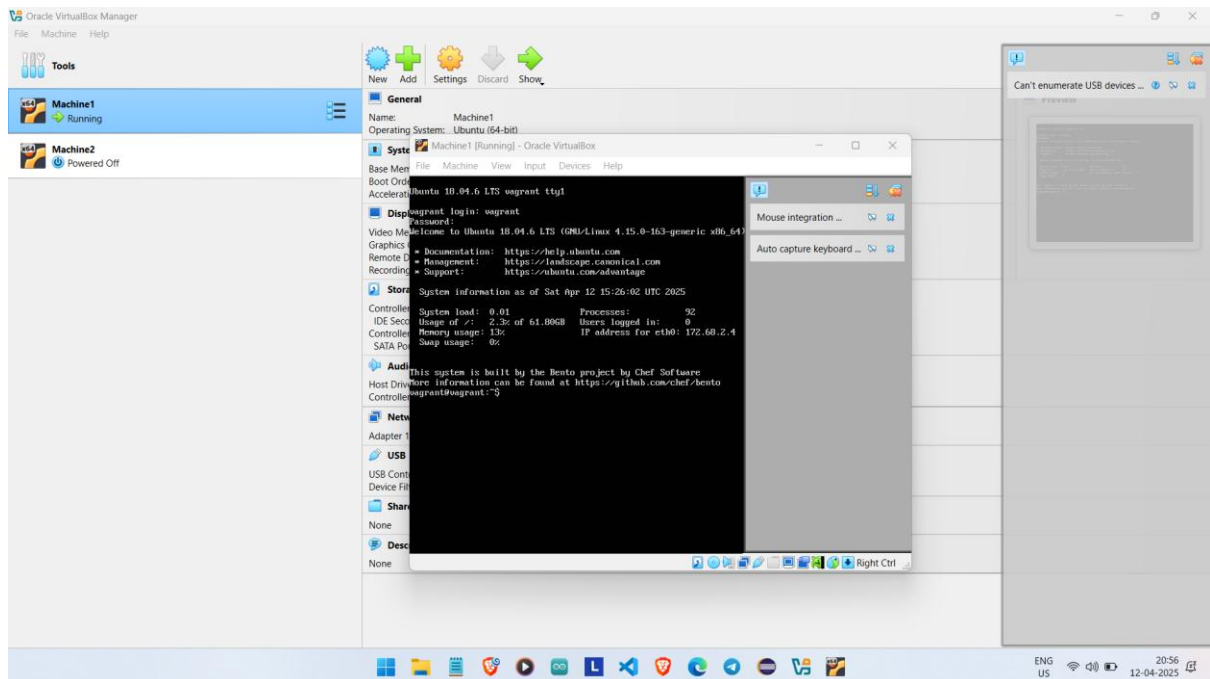


3. Launch the virtual box and create new VM.

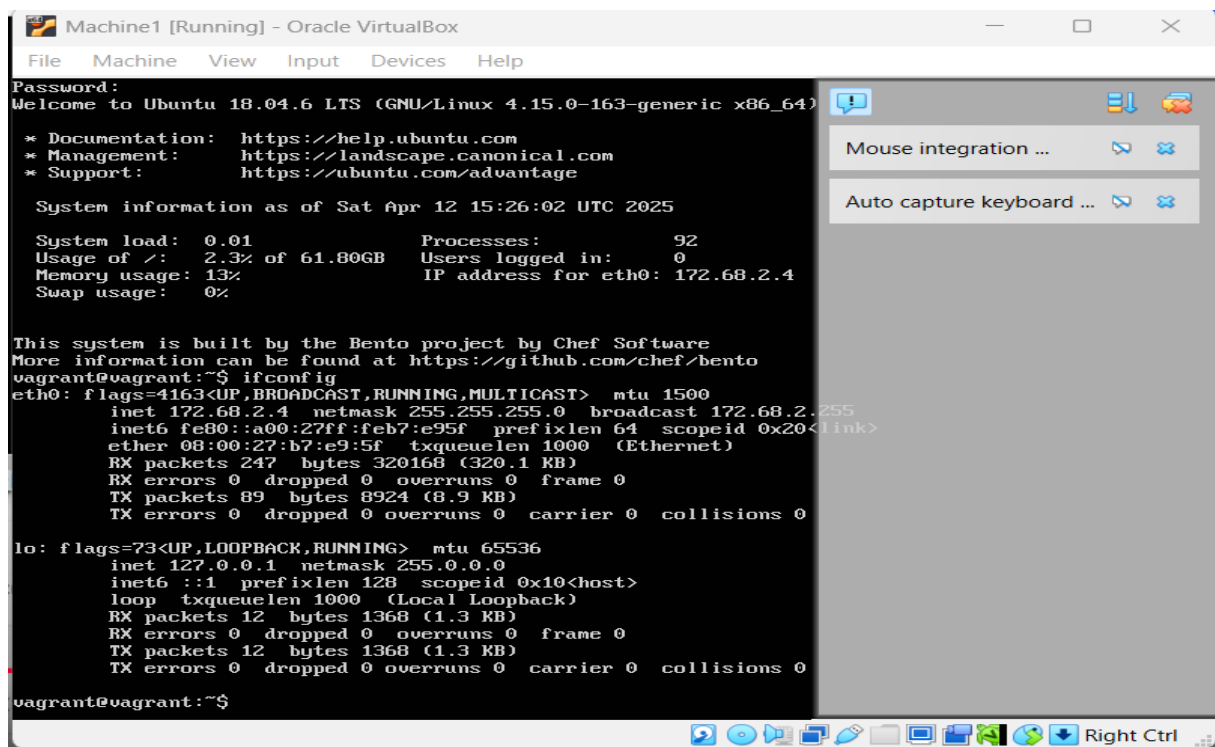


Similarly, create second virtual machine.

4. Start First virtual machine and login



5. Run ifConfig command to know the IP address : 172.68.2.4



6. Install net tools using command : sudo apt install net-tools

```
vagrant@vagrant:~$ sudo apt install net-tools
Reading package lists... Done
Building dependency tree
Reading state information... Done
net-tools is already the newest version (1.60+git20161116.90da8a0-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
vagrant@vagrant:~$
```

List the files using : ls command

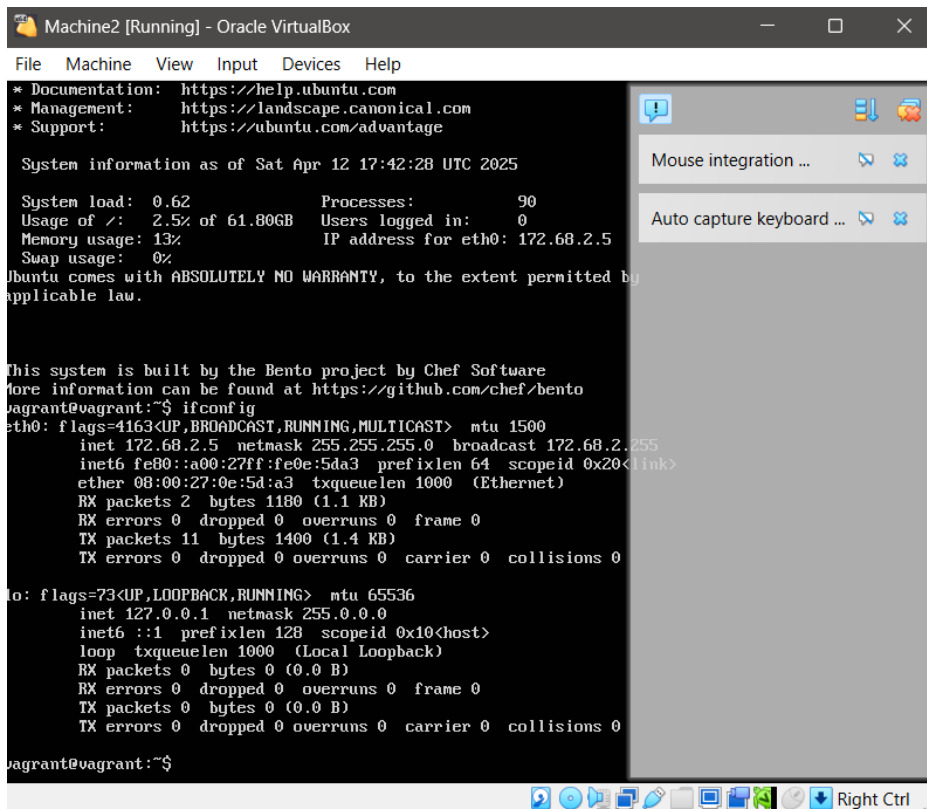
Create file using touch command: touch transfer.txt

```
vagrant@vagrant:~$ touch transfer.txt
vagrant@vagrant:~$ ls
suyash.txt  transfer.txt
vagrant@vagrant:~$ nano transfer.txt _
```

To check the content of file : cat transfer.txt

```
vagrant@vagrant:~$ ls
transfer.txt
vagrant@vagrant:~$ cat transfer.txt
heyyy...Hello Prachii this side
vagrant@vagrant:~$
```

7. Launch second virtual machine and find its address : 172.68.2.5



```
Machine2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/advantage

System information as of Sat Apr 12 17:42:28 UTC 2025

System load: 0.62 Processes: 90
Usage of /: 2.5% of 61.80GB Users logged in: 0
Memory usage: 13% IP address for eth0: 172.68.2.5
Swap usage: 0%

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

This system is built by the Bento project by Chef Software
More information can be found at https://github.com/chef/bento
vagrant@vagrant:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.68.2.5 netmask 255.255.255.0 broadcast 172.68.2.255
    inet6 fe80::a00:27ff:fe0e:5da3 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:0e:5d:a3 txqueuelen 1000 (Ethernet)
    RX packets 2 bytes 1180 (1.1 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11 bytes 1400 (1.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

vagrant@vagrant:~$
```

8. Use SCP Protocol to transfer the files from Machine1 to Machine2.

```
vagrant@vagrant:~$ scp transfer.txt vagrant@10.0.2.15:/home/vagrant
ssh: connect to host 10.0.2.15 port 22: Connection timed out
lost connection
vagrant@vagrant:~$ scp transfer.txt vagrant@172.68.2.5:/home/vagrant
The authenticity of host '172.68.2.5 (172.68.2.5)' can't be established.
ECDSA key fingerprint is SHA256:cDgQ1xEeETP7fkQ7CGp2xgeabPwYXMIvB8kM/6+mM4.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '172.68.2.5' (ECDSA) to the list of known hosts.
vagrant@172.68.2.5's password:
transfer.txt                                100% 32    11.0KB/s   00:00
vagrant@vagrant:~$
```

9. Now the file has been successfully transferred to machine 2

```
vagrant@vagrant:~$ ls
transfer.txt
vagrant@vagrant:~$ cat transfer.txt
heyyy...Hello Prachii this side
vagrant@vagrant:~$ _
```

