

## **EXPERIMENT - 1.1**

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Subject's Name – Operating System LAB

UID – 20BCS4576

Submission Date – 24-08-2021

Branch – CSE(IOT-A)

Semester – 3<sup>rd</sup>

1. **Aim/Overview of the practical:** INSTALLATION OF LINUX OPERATING SYSTEM.

2. **Task to be done** :Installation of Linux by using VM Virtual Box software.

3. **Apparatus(For applied/experimental sciences/materials based labs):**

(a). Good internet connection .

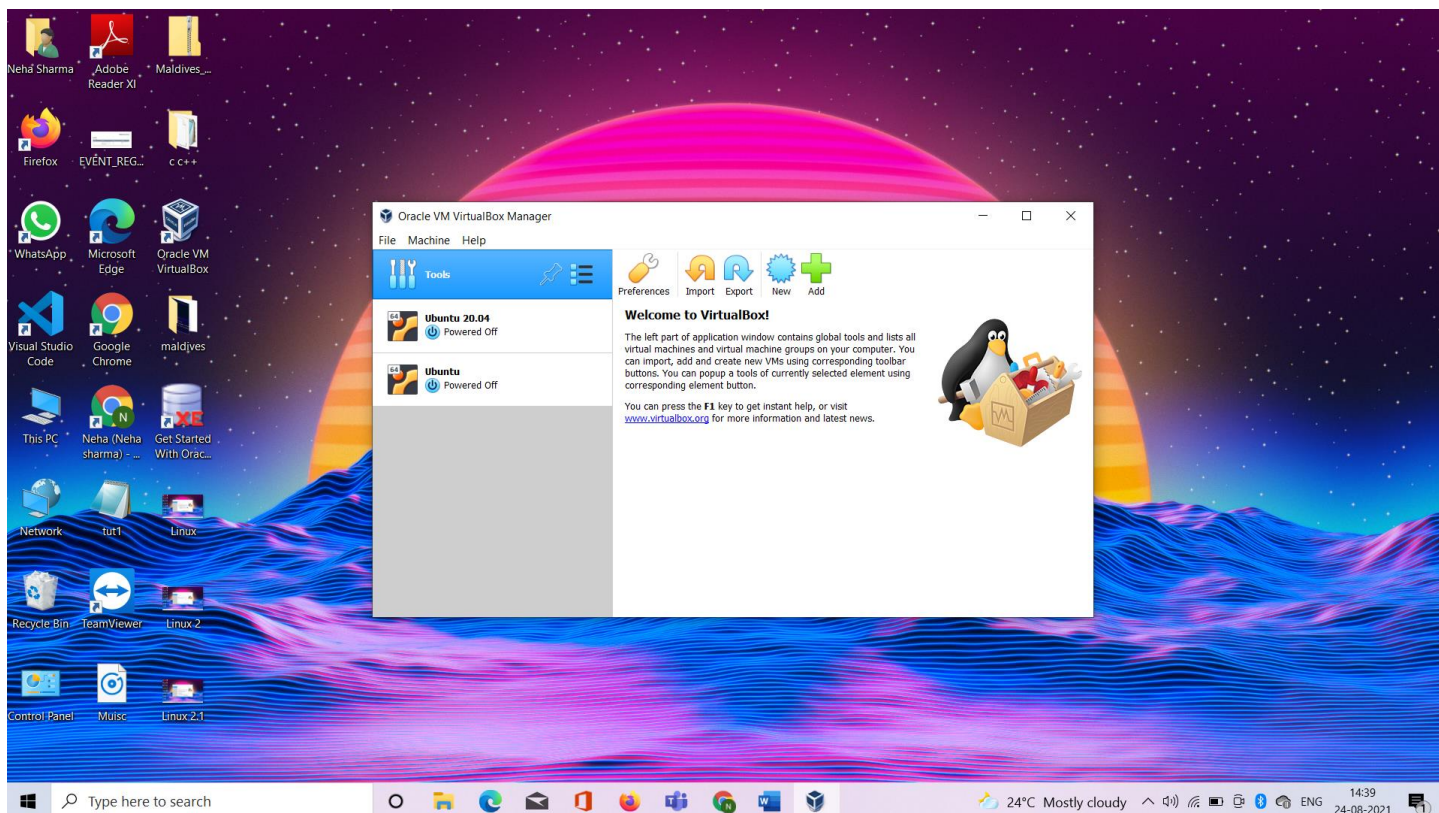
(b). At least 4gb ram.

(c). At least 12gb of free space .

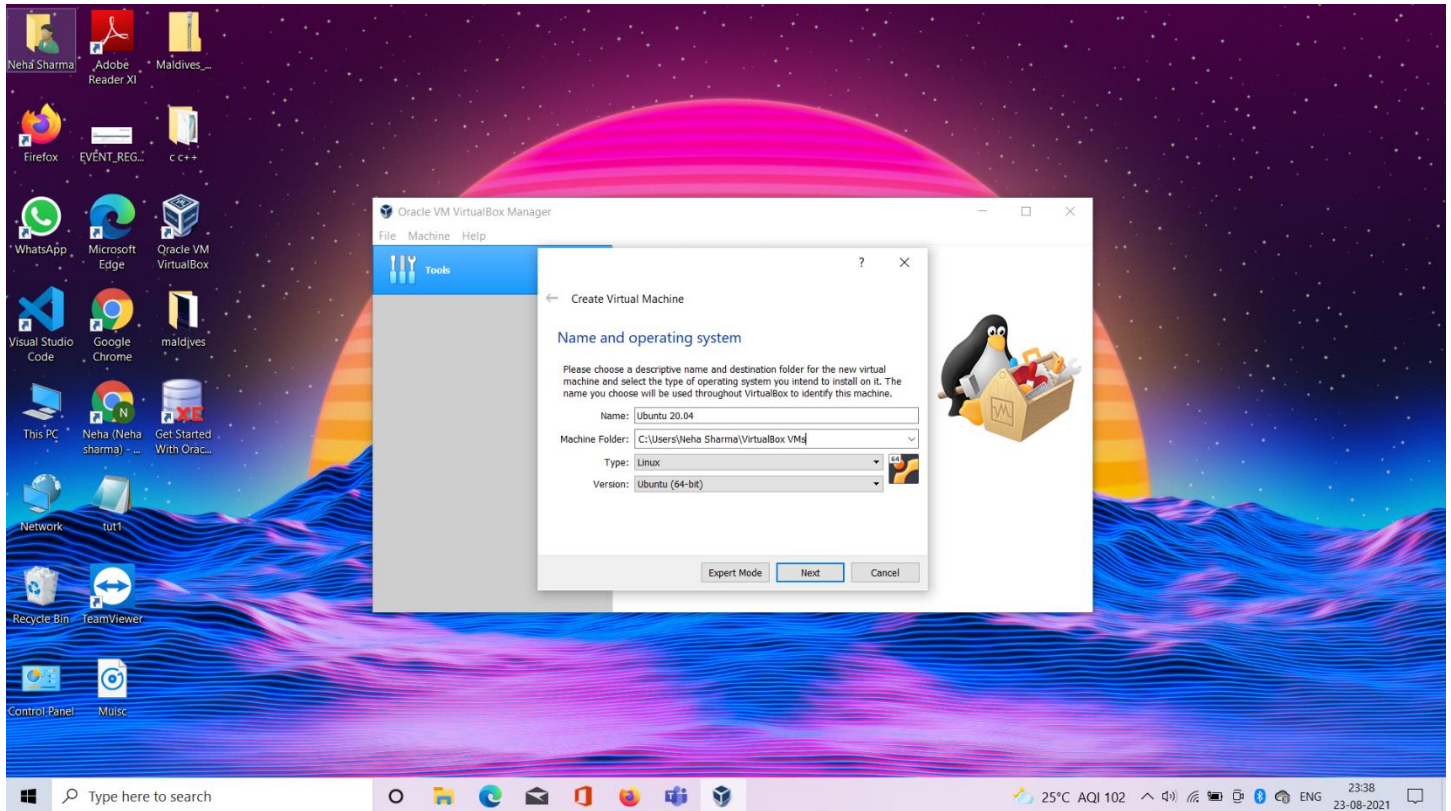
4. **Algorithm/Flowchart (For programming based labs):not**

## 5.Steps for experiment/practical:

### A. Download VM Virtual Box workstation app from original website.

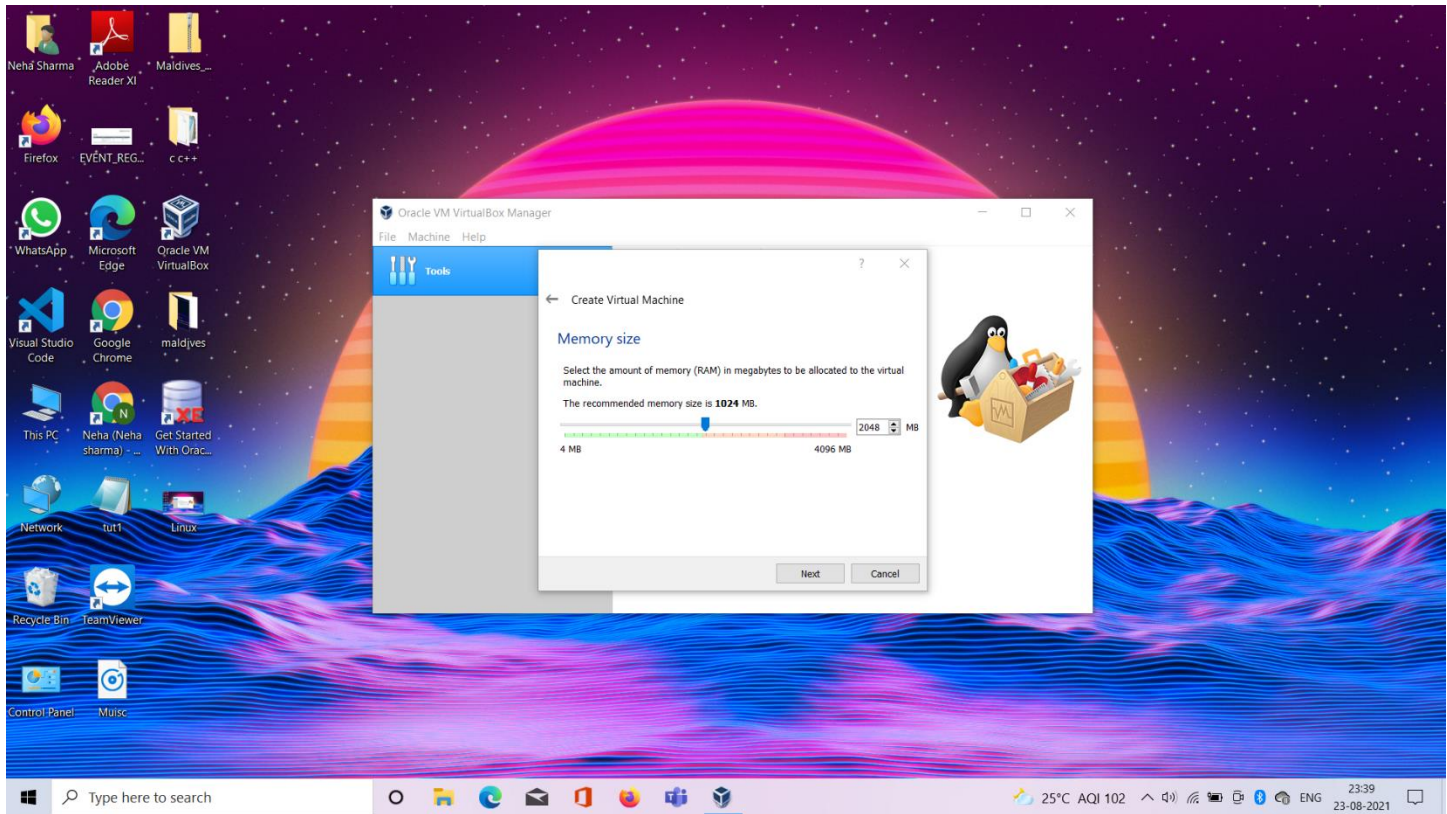


## B. Write the Name and version

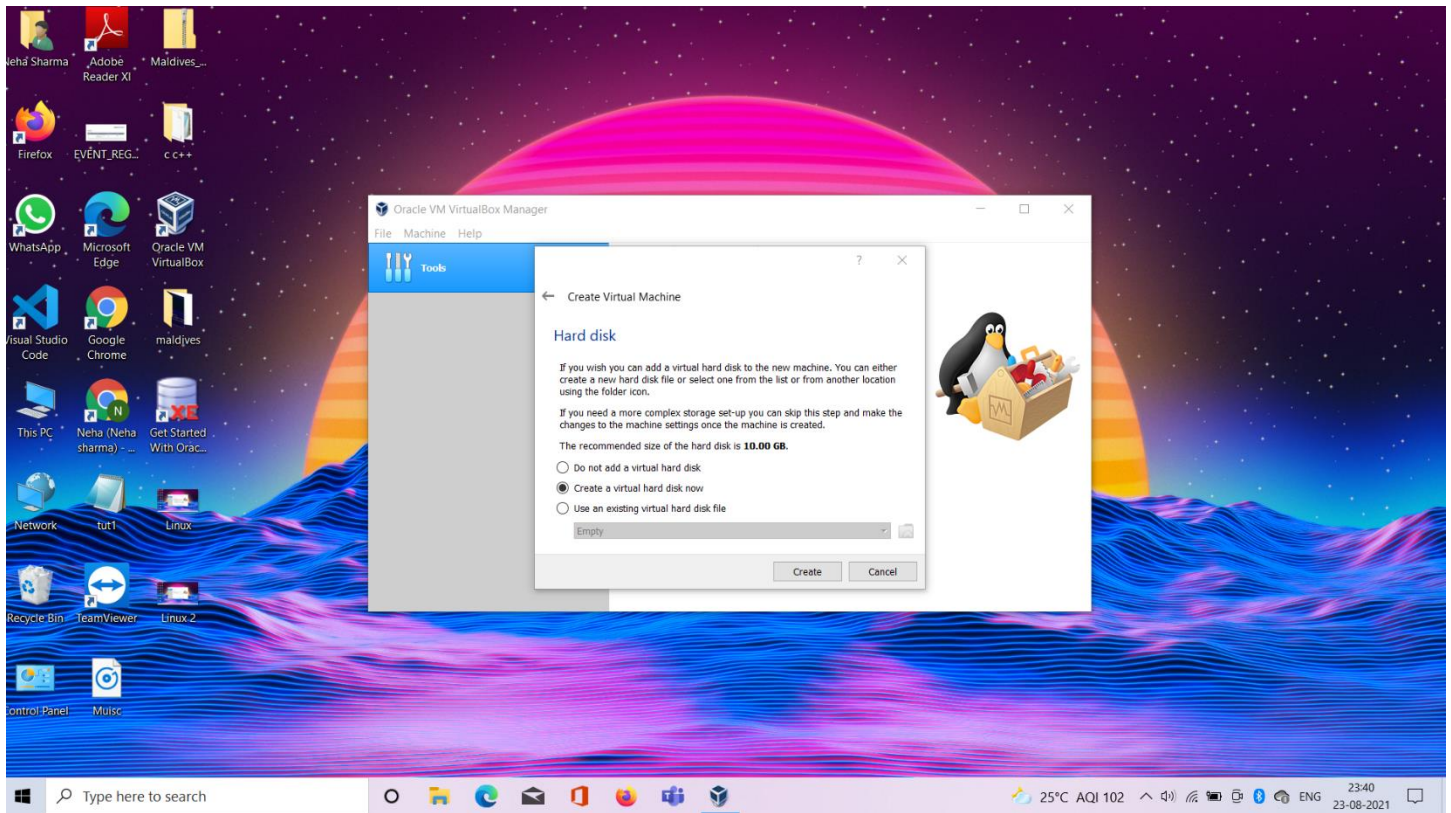




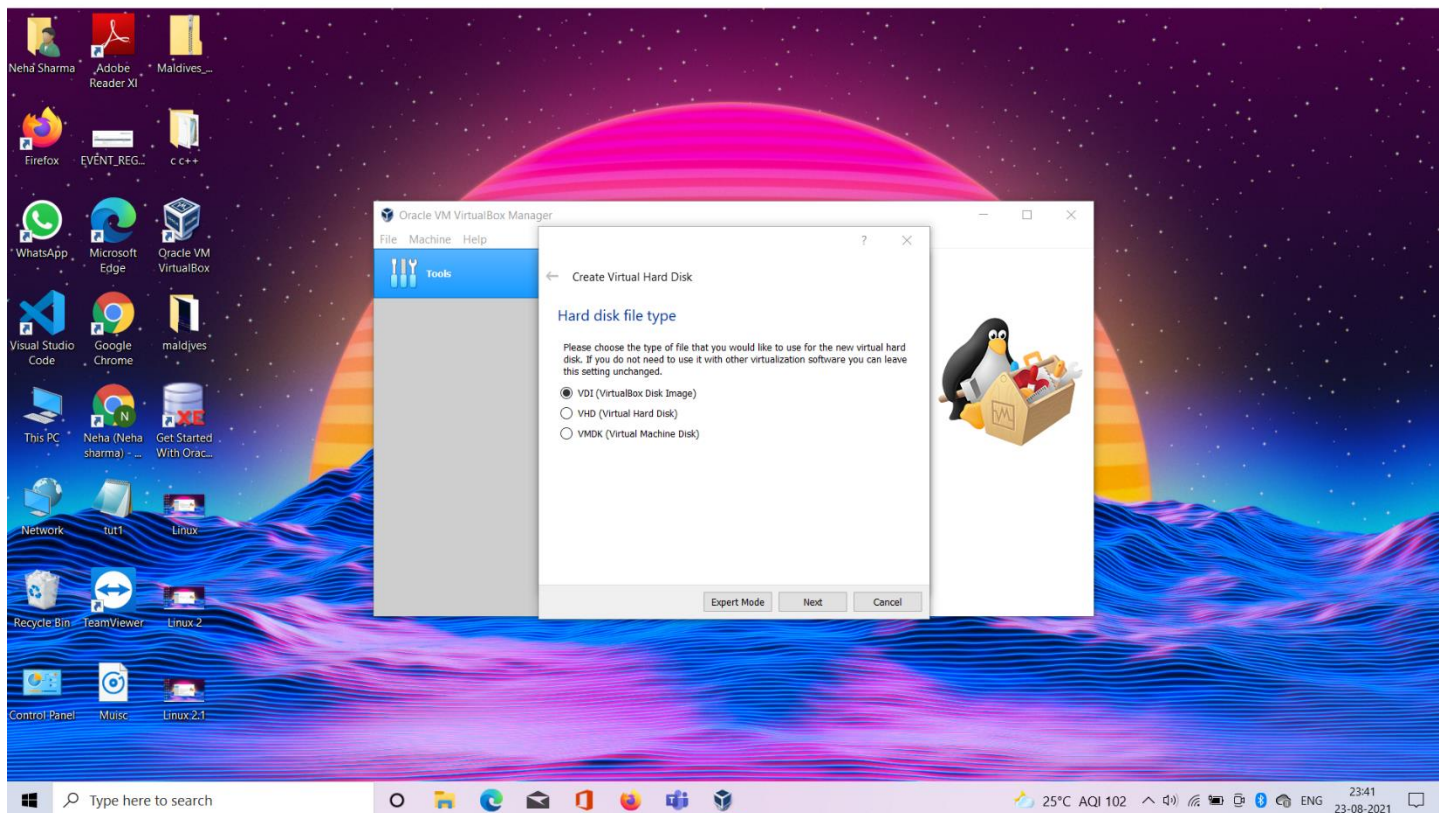
## C. Select the size of Memory



## D. Create Hard Disk

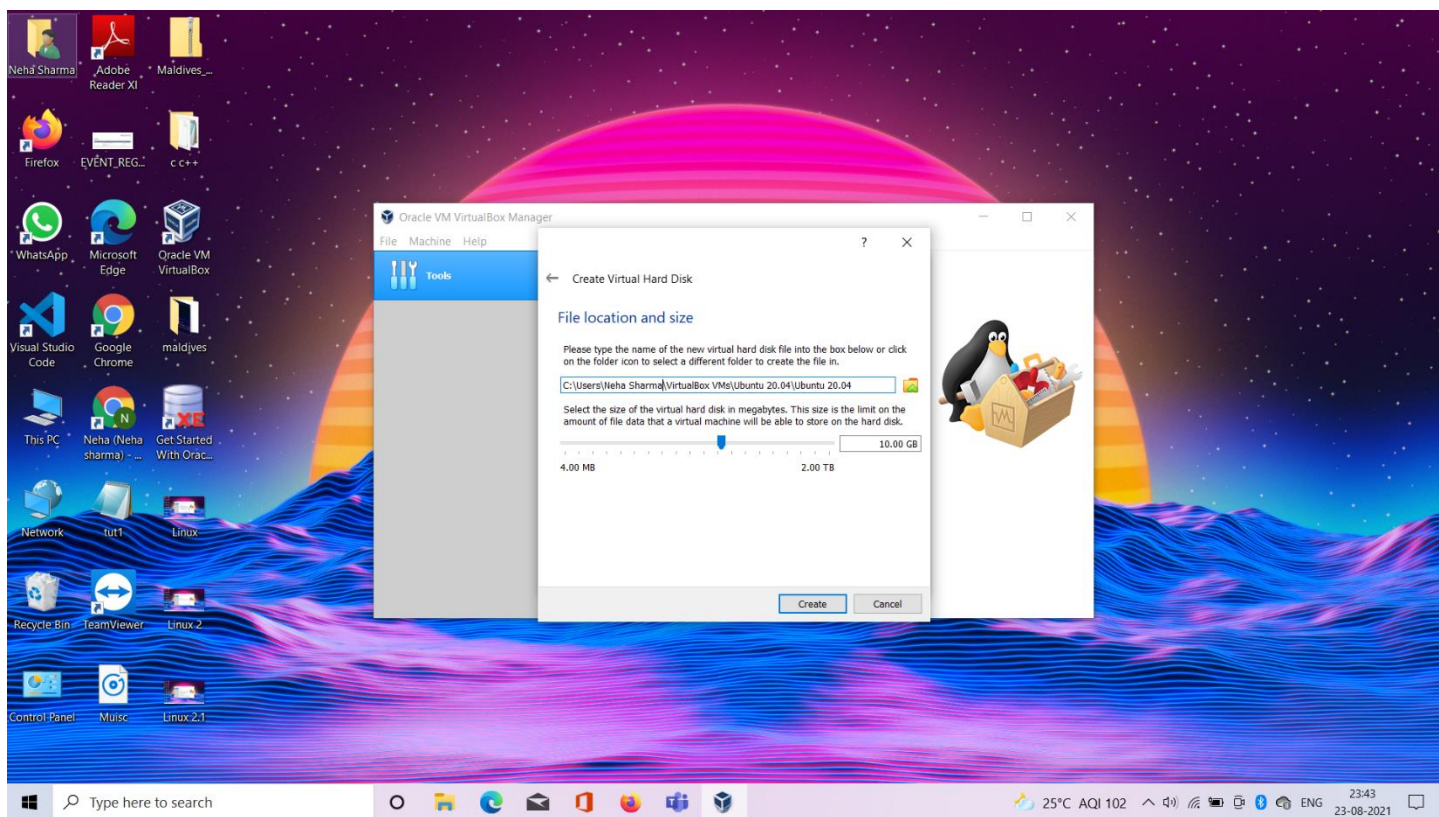


## E. Create Hard Disk File

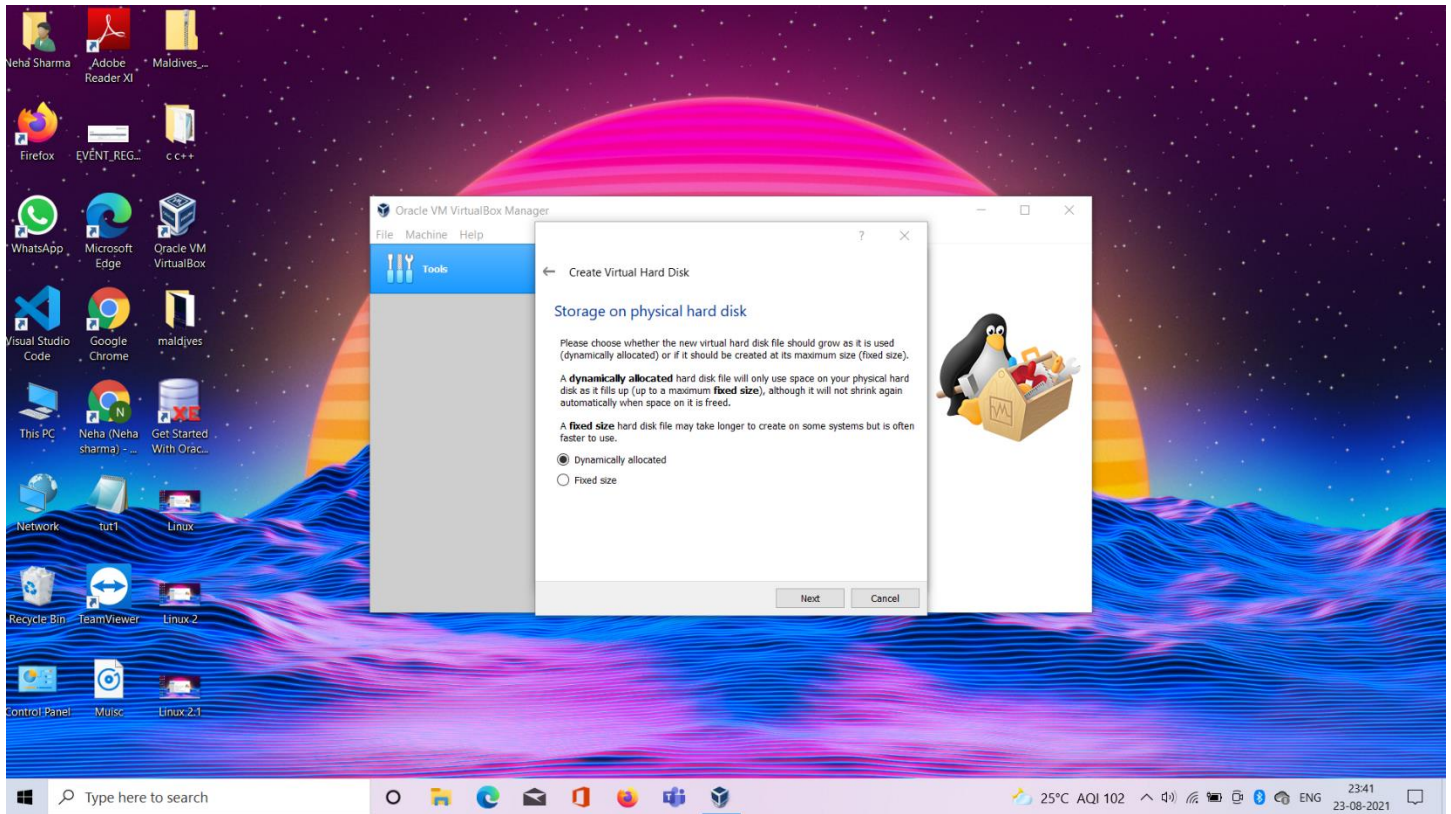




## F. Select The file location and Size

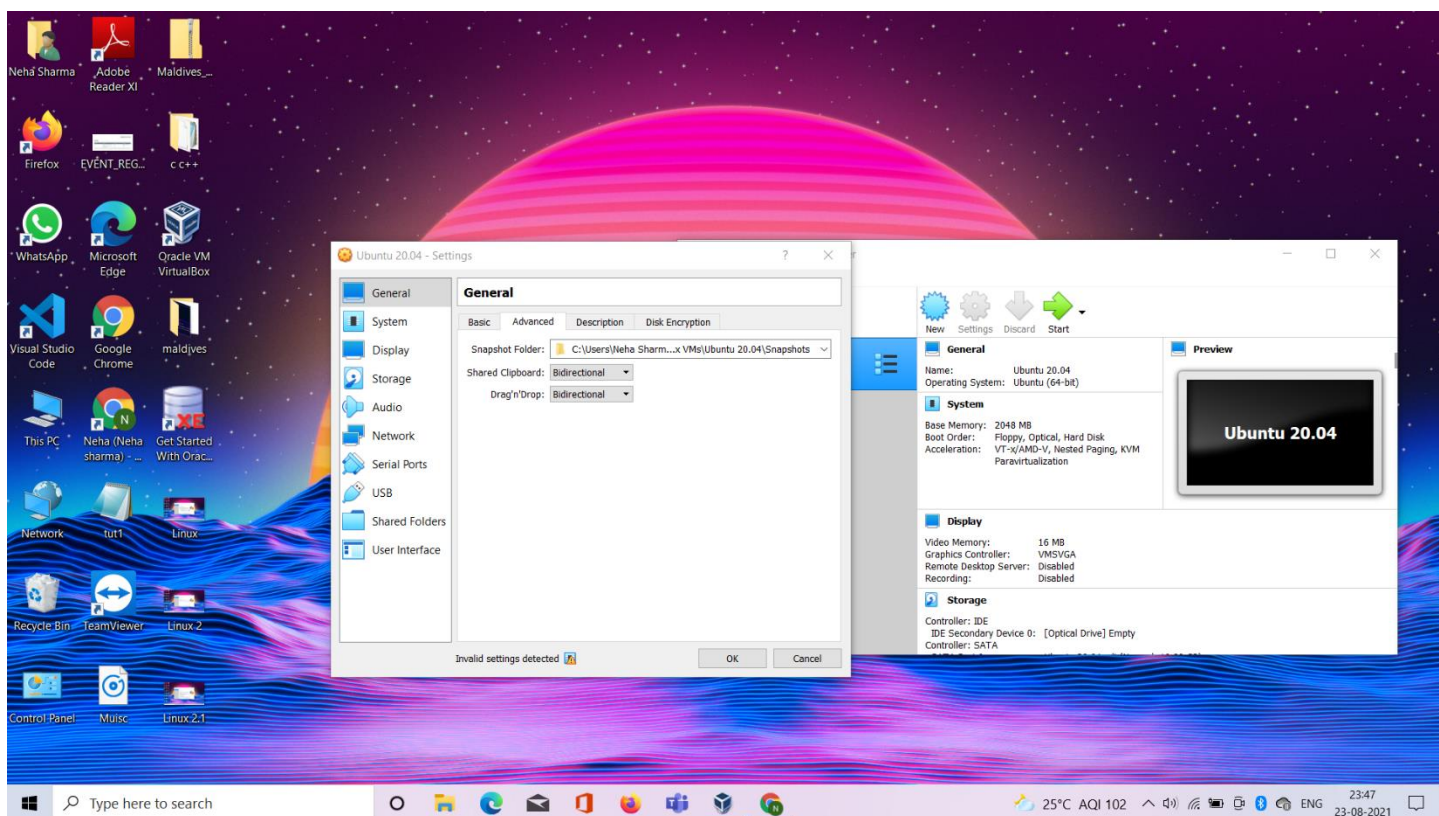


## G. Choose Dynamically Allocated

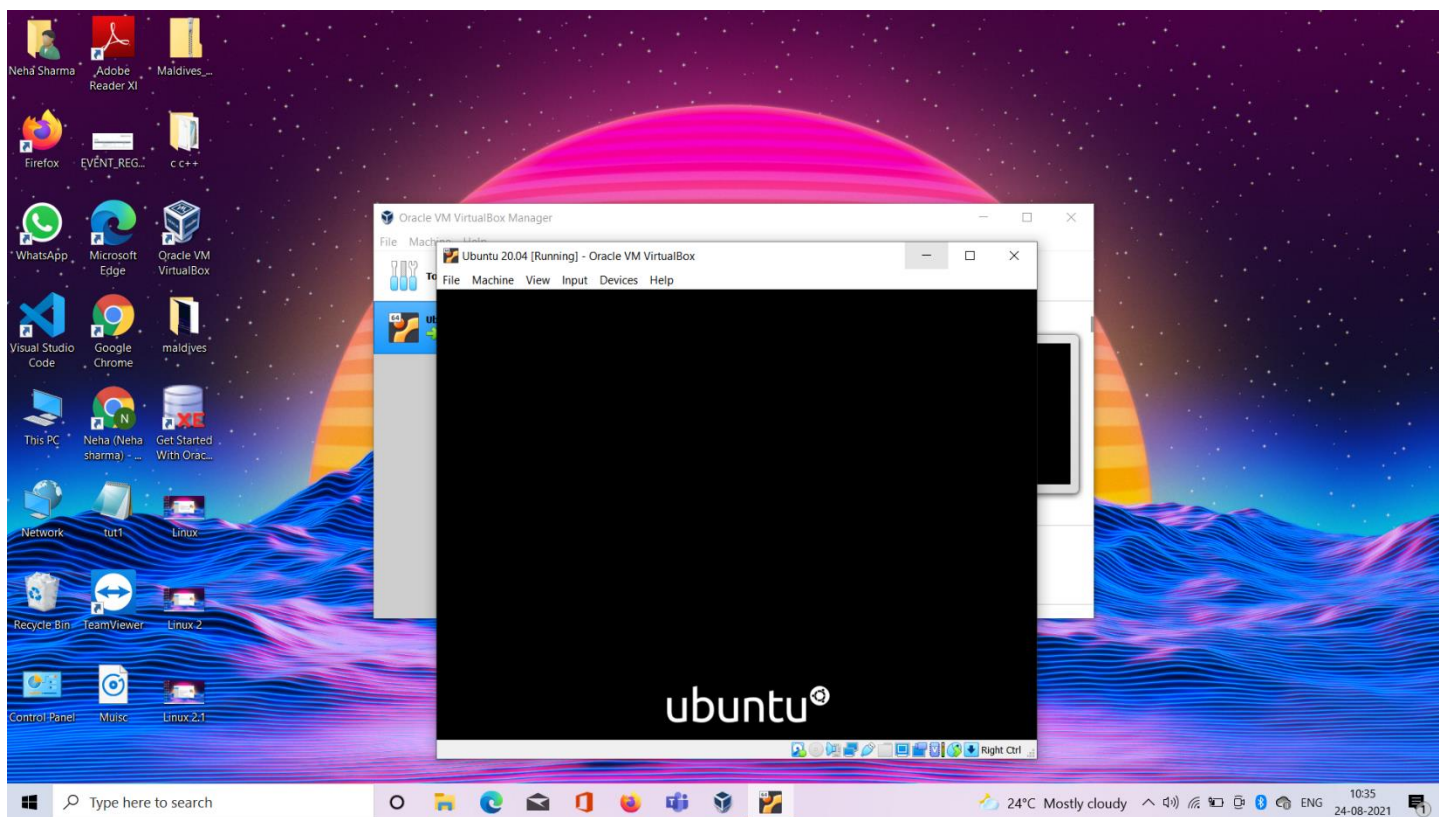




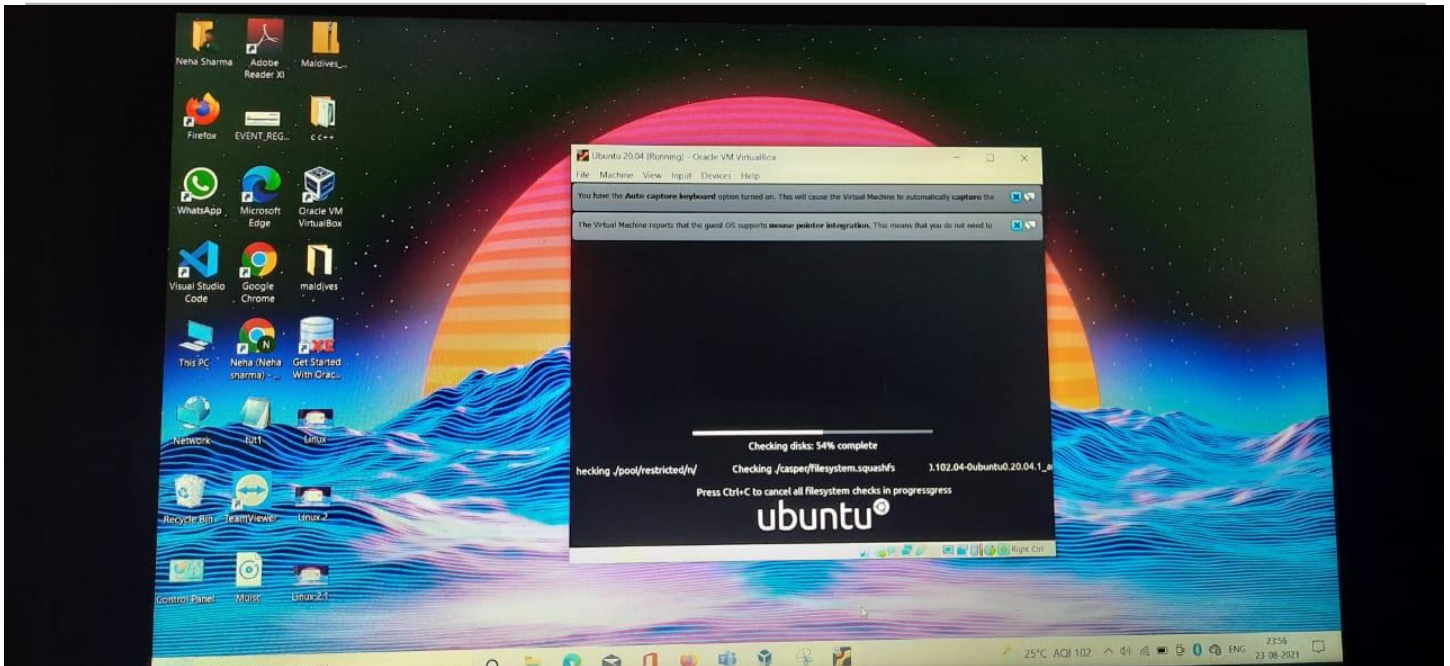
## H. Insert the Snapshot Folder and Choose Bidirectional In Shared clipboard and Drag'n'drop



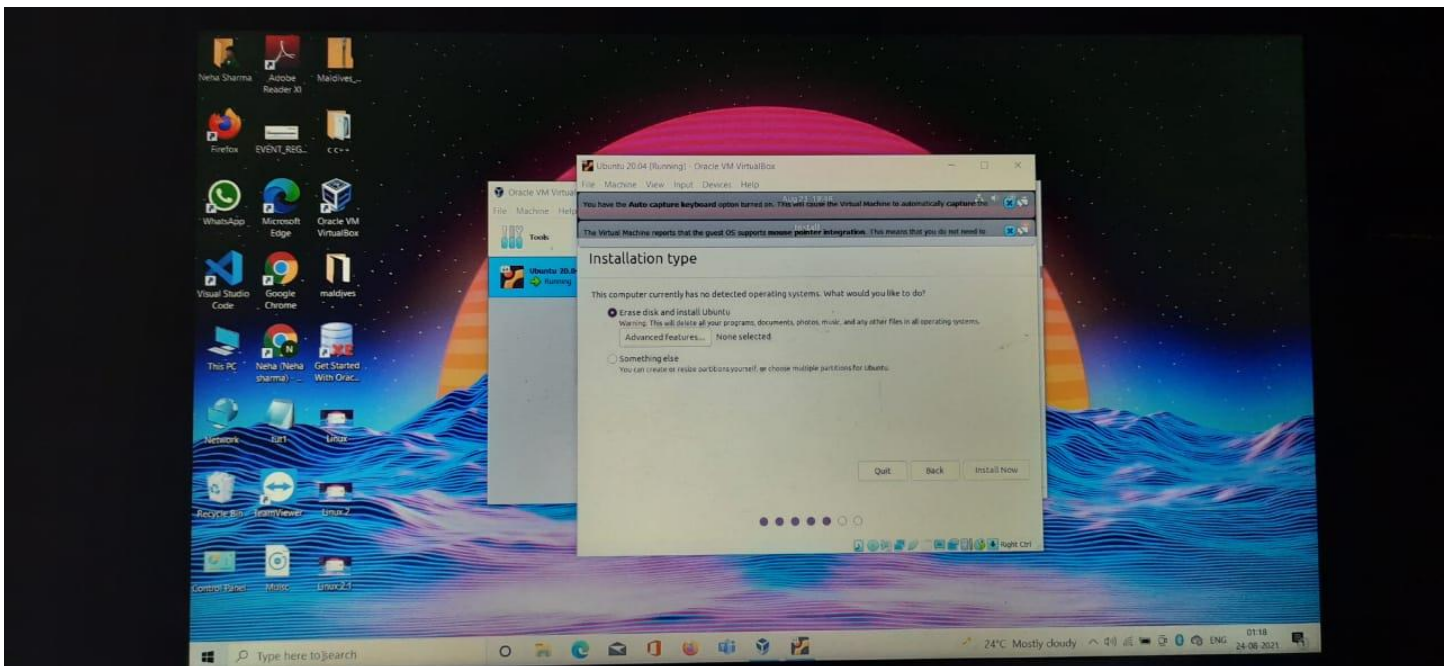
## I. Finish to create virtual machine and start installing ubuntu 64-bit





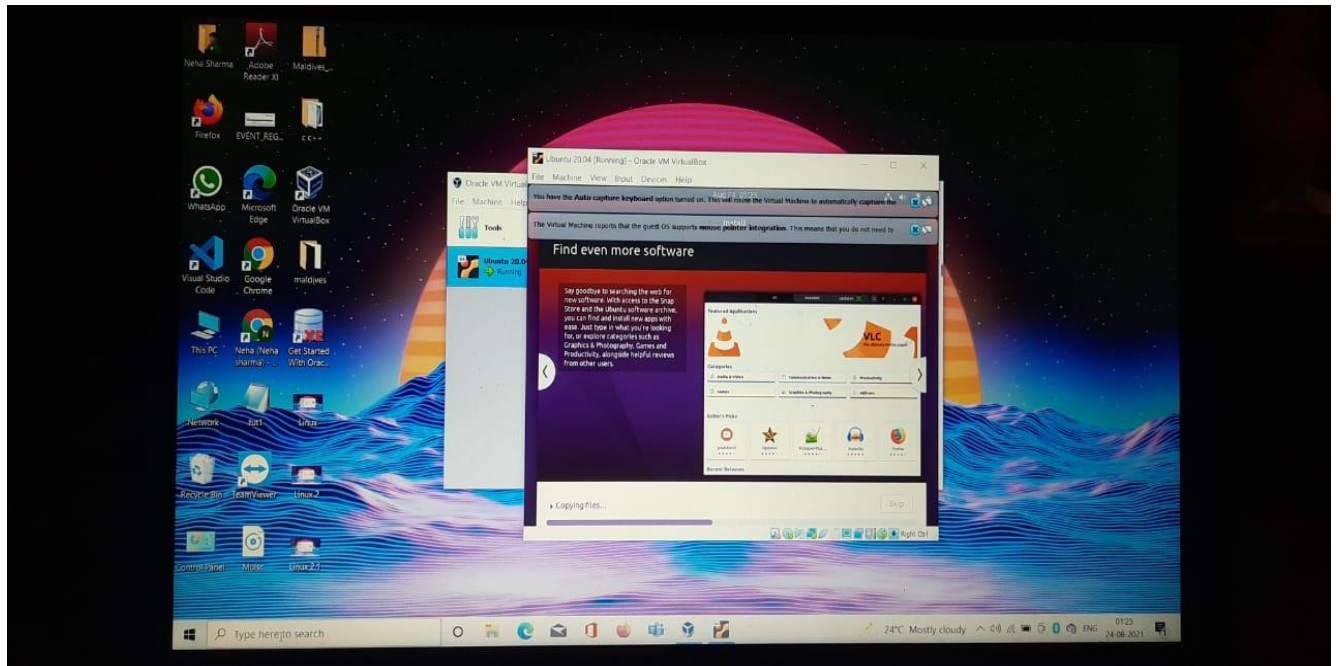


J. Now click on “ Install Now ” to get start to install the ubuntu .

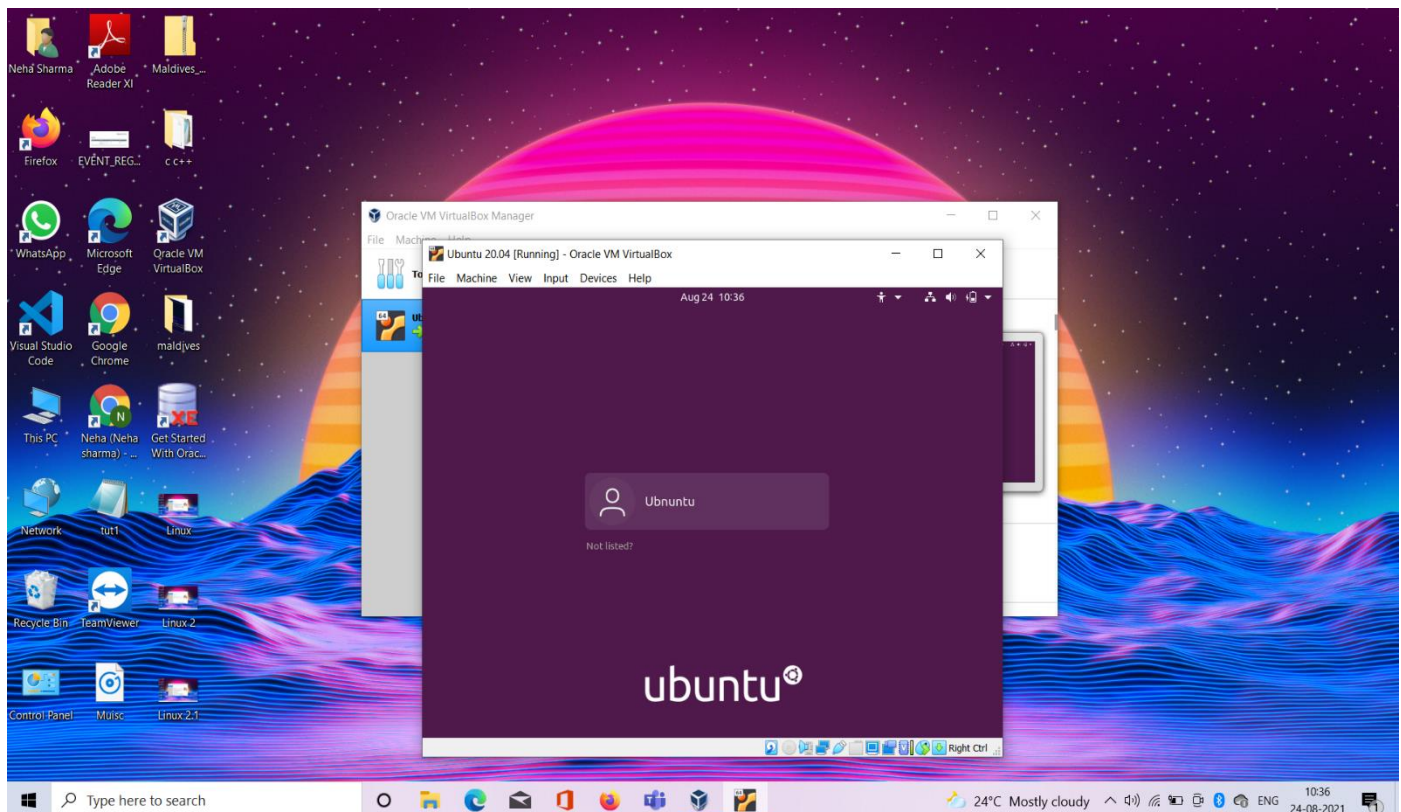


K. Restoring All files





L. Now complete The Installation process.



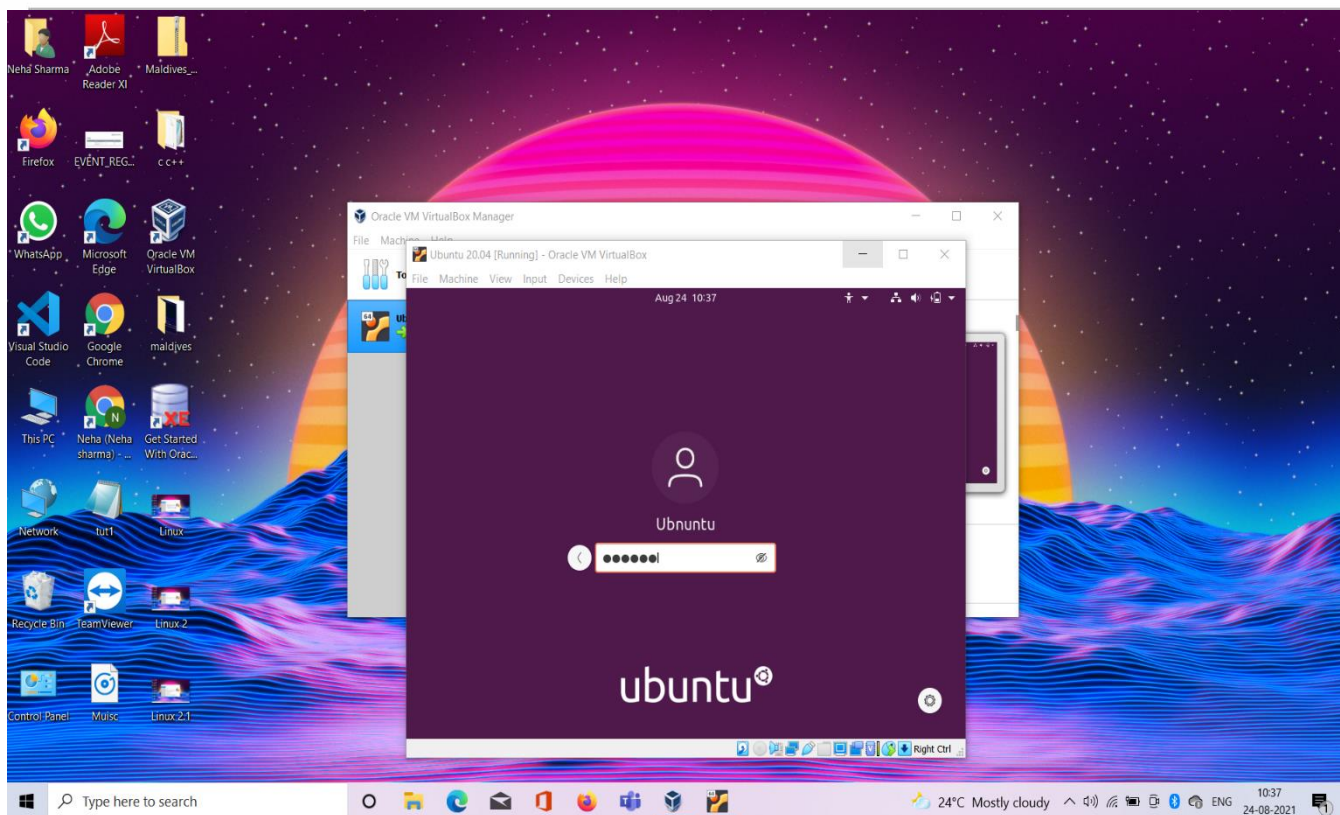
**6. Observations/Discussions(For applied/experimental sciences/materials based labs):** In case of any issue close and again start the virtual box. The Linux operating systems now offer millions of programs/applications to choose from, most of them free to install.

**7. Percentage error (if any or applicable):** NO

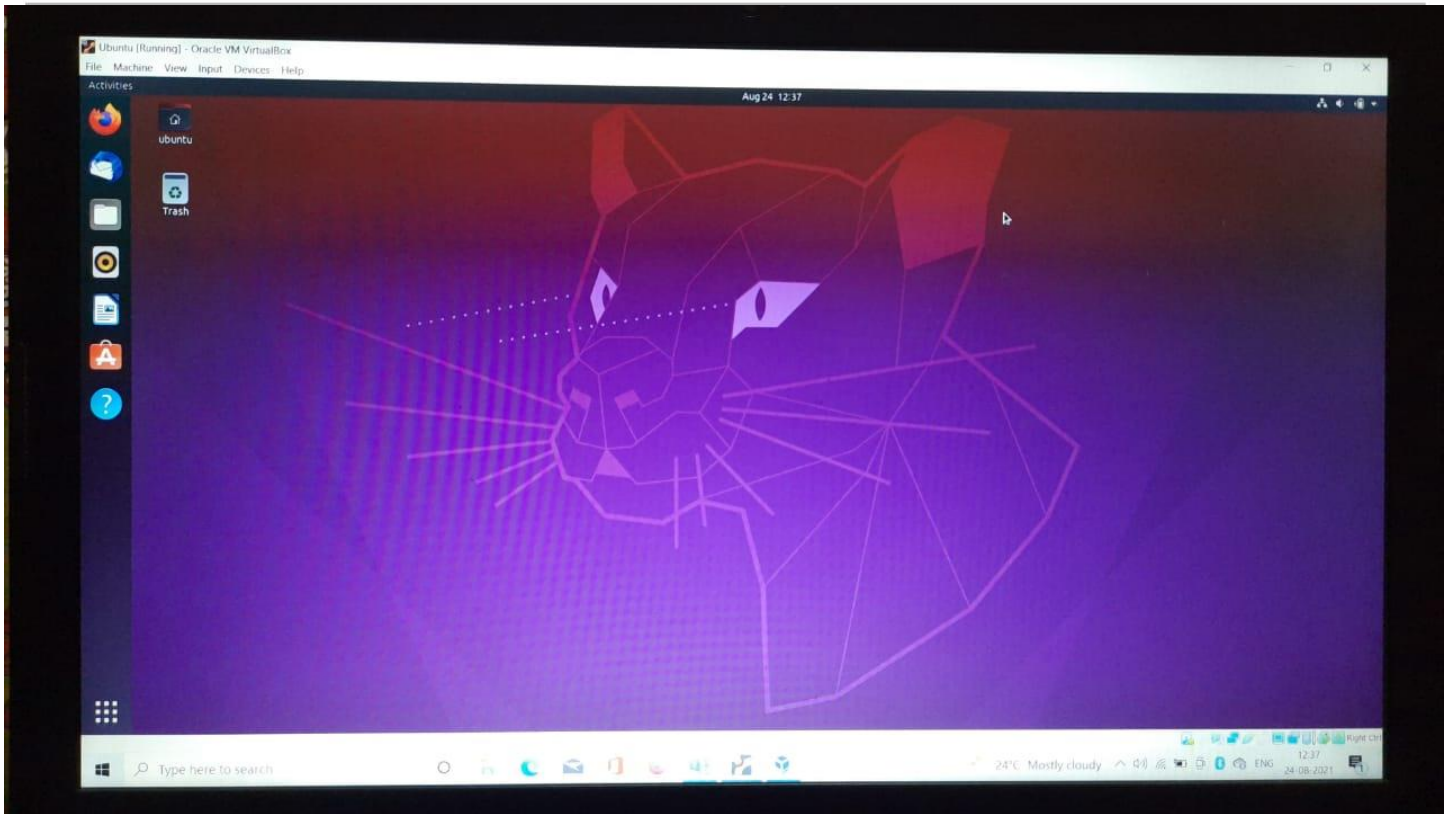
**8. Calculations/ Chemical Reactions / Theorems /Formulas used etc :**

Not required

**9. Result/Output/Writing Summary:** Here we are installing Linux operating system by the help of VMware software. We are creating virtual machine and then we are creating a disk where we input the IOS file of Linux (OS) into it , and then we install it .







**10. Graphs (If Any): Image /Soft copy of graph paper to be attached here:**

No.

## **11.Learning outcomes (What I have learnt):**

1. Learnt to install Linux .
2. Learnt to use VM Virtual Box.
3. Understood basic booting concepts.
4. Became familiar with basic Linux operations.

## **12.Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):**

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			