Module Code & Module Title

Level 5 – CT5052NP Network Operating Systems

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I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

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1. Introduction

This workshop is designed to provide fingers-on revel in in web hosting static websites the use of windows Server 2022 as a visitor running device. members will learn how to configure the server for internet site access from the host OS and other gadgets inside the same LAN. another key focus is allowing and configuring far flung desktop services, permitting cozy far off management of the server. This document documents the targets, tools, and step-by way of-step methods accompanied throughout the workshop.

2. Objective

The main objective of this workshop is to host static website in guest OS which is windows server 2022 and access it from host OS as well as from other computer devices within the same LAN.

Another objective of this workshop is to enable remote desktop features in windows server 2022 and access it from host OS.

3. Required Tools and Concepts

Windows server 2022

VirtualBox

Remote Desktop

Virtual box extension pack : we need to download the Extension pack for virtual box.

4. Steps to Replicate

4.1 hosting static website

- **step 1**
  open virtual box and select the virtual environment. After selecting the virtual environment, select the "Settings" button.
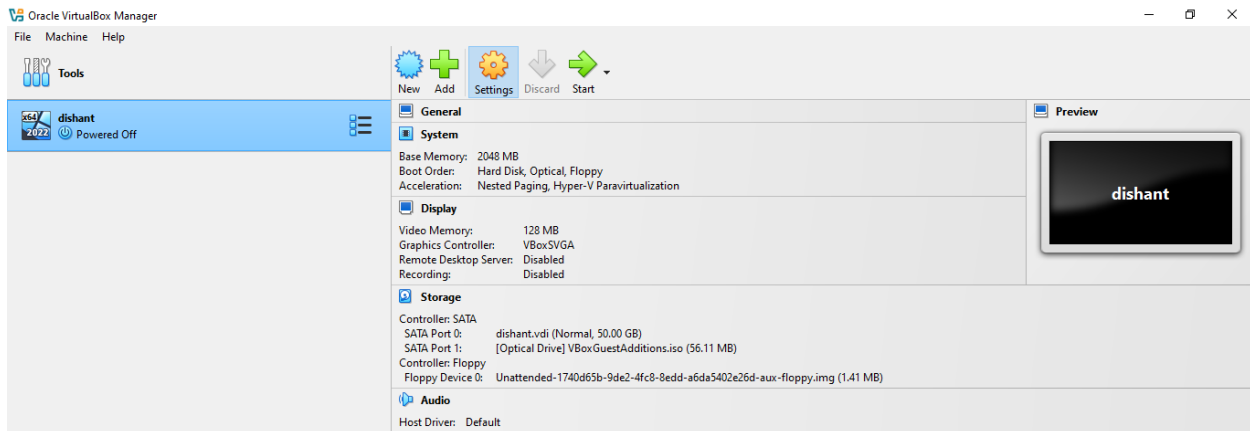
Figure 1: opening virtual box

- **step 2**
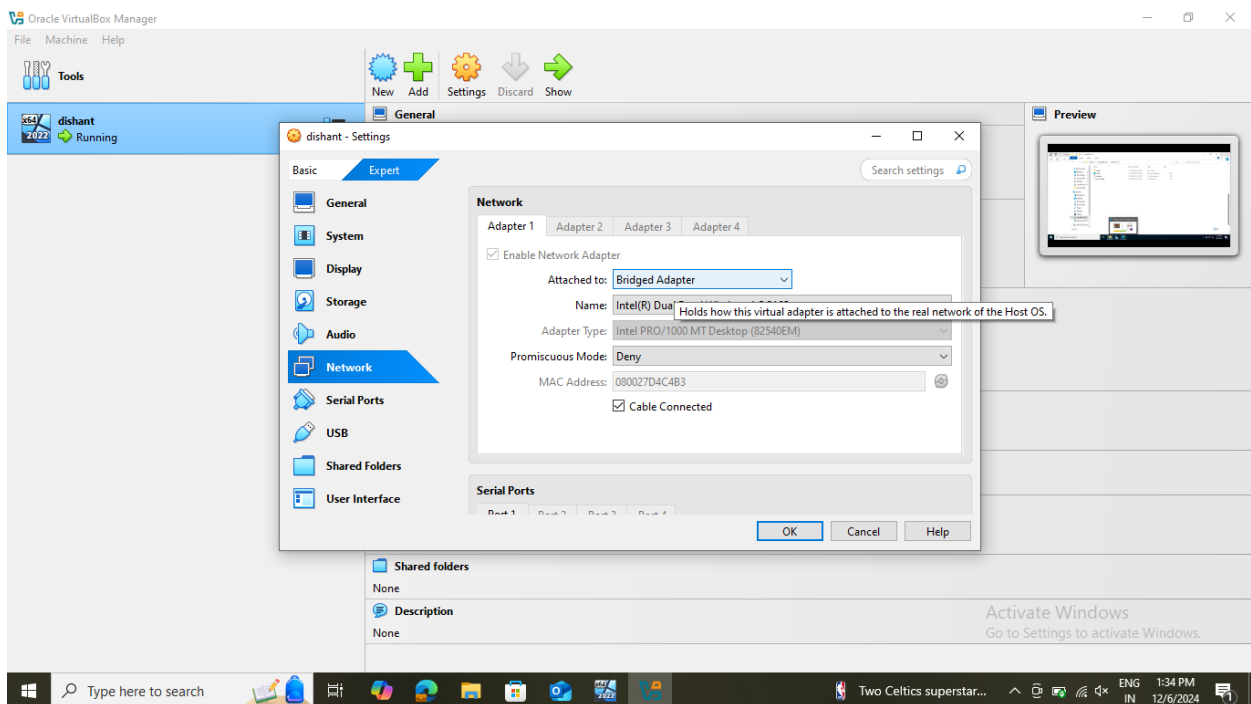 Now click on network and under network select Bridged Adapter in Attached

Figure 2: selecting bridged adapter

- **Step 3**

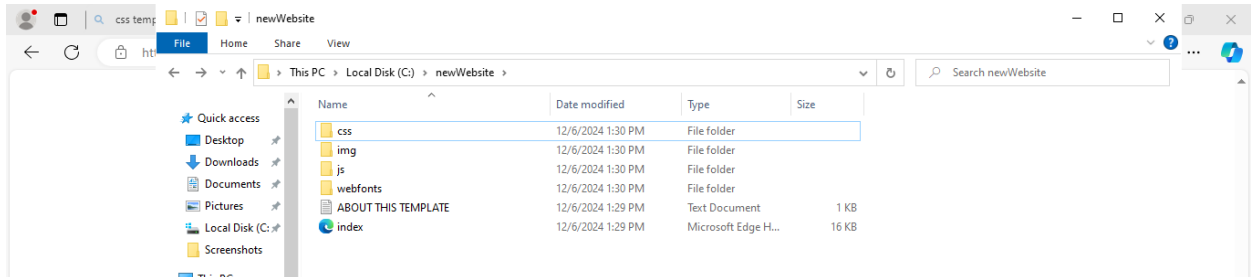Place your website files in local disk c drive in windows server 2022.

Figure 3: placing website file in c drive
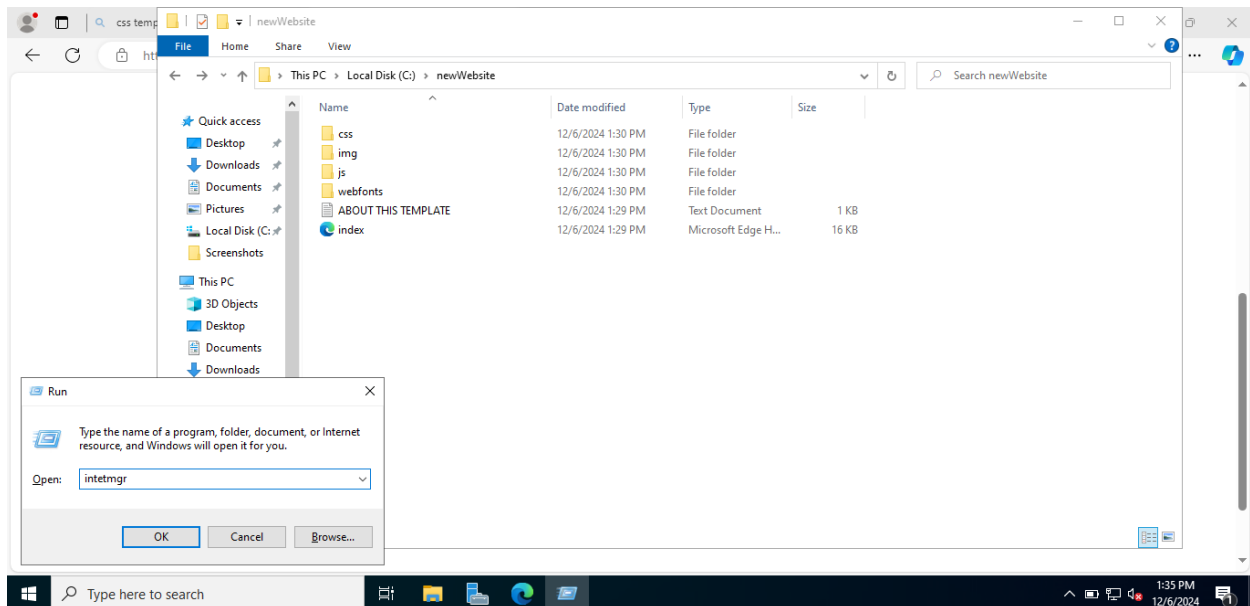
- **Step 4**
  Open run and type intemgr.

Figure 4: typing intemgr in run

- **Step 5**

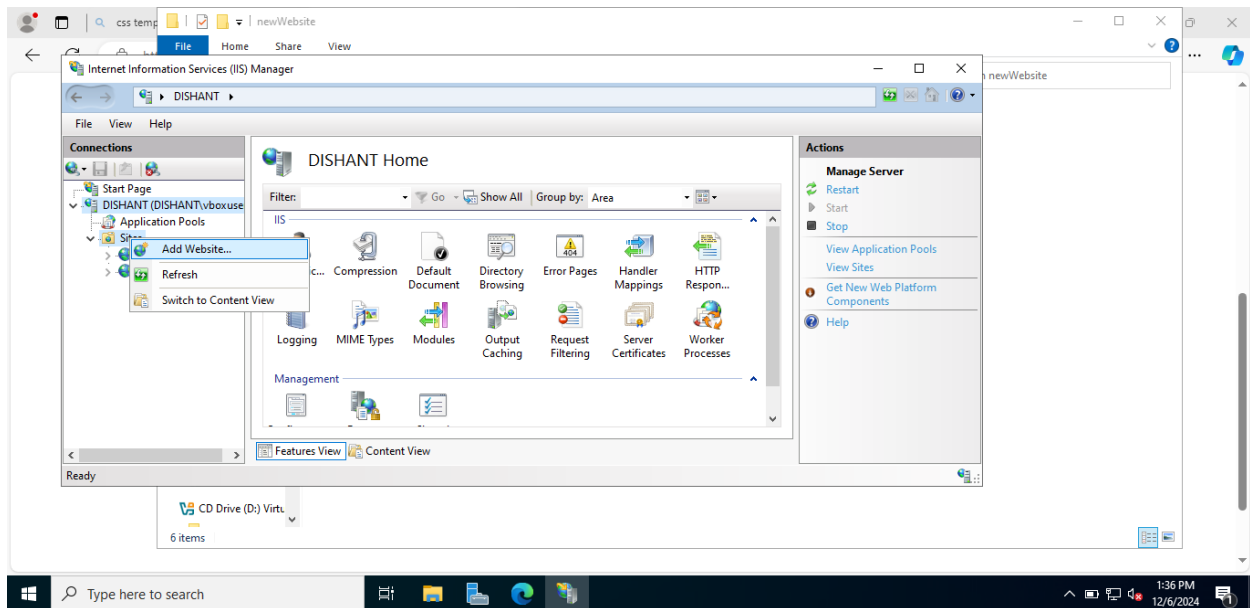Expand the server nae and right click on "Sited" and click on the "Add Website" option like in the last workshop.

Figure 5: clicking add website

- **Step 6**
Add the details of the website and provide physical path of website file. under IP address select the given IP address from the drop down option.
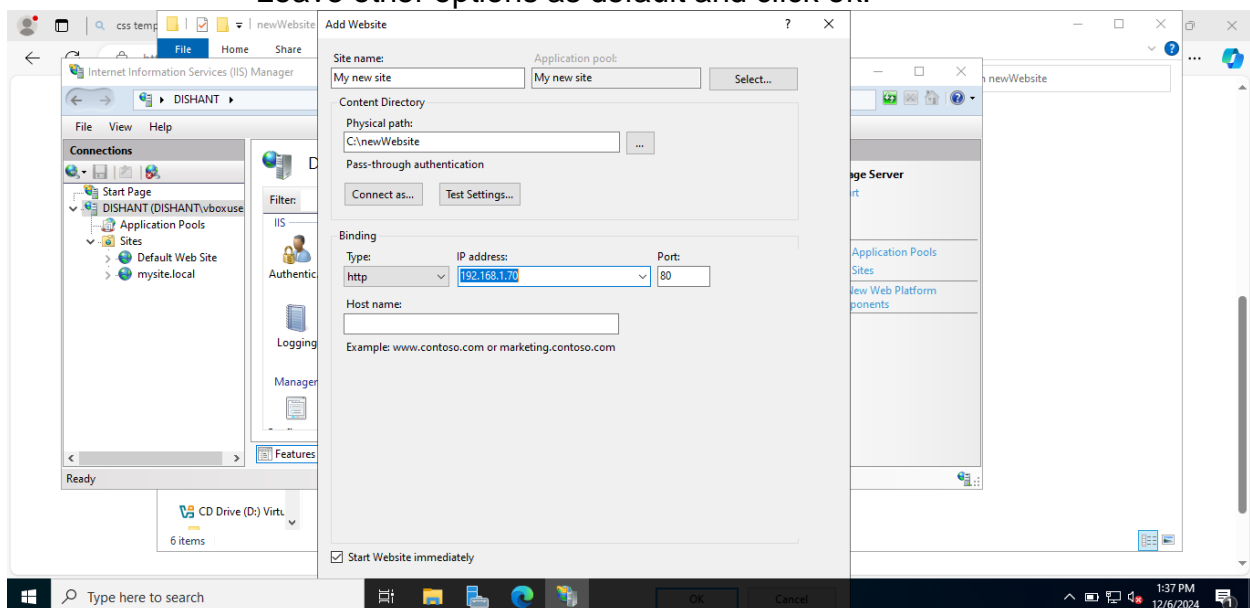Leave other options as default and click ok.

Figure 6: providing website details

- **Step 7**
  click on our newly added website then click on browse followed by your IP address on the right side.
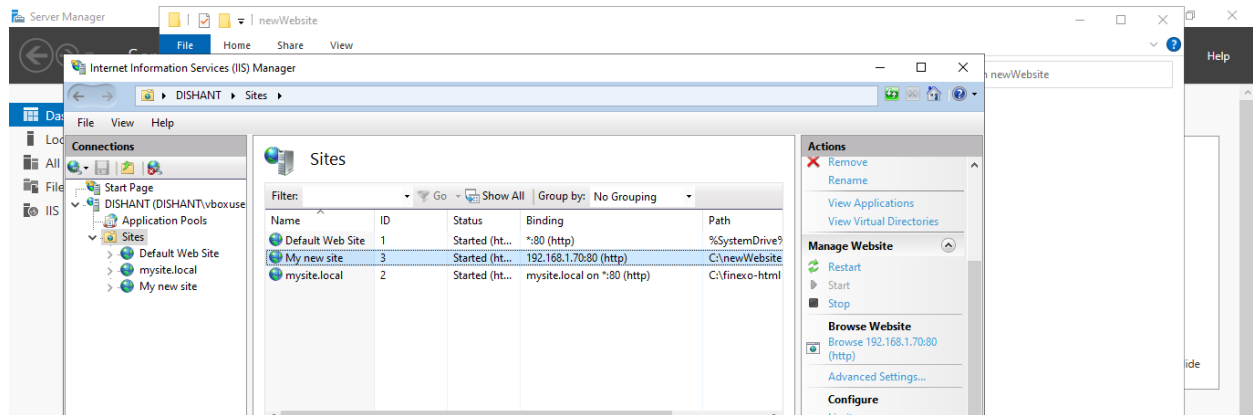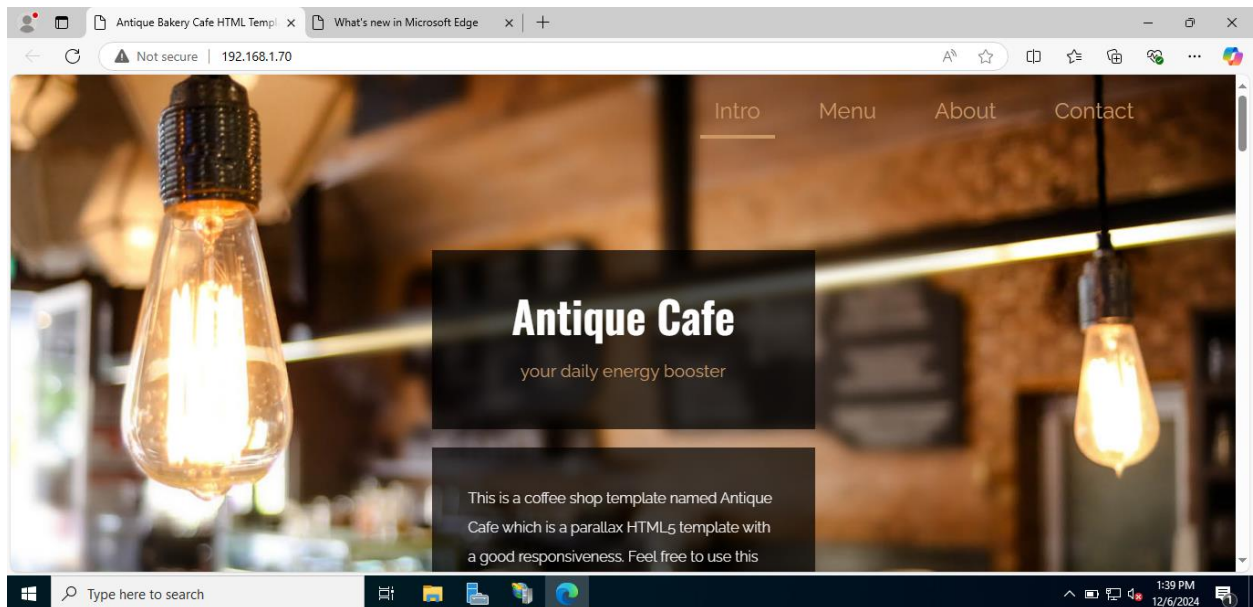

Figure 7: browsing website

Figure 8: live website in guest os

- **step 8**
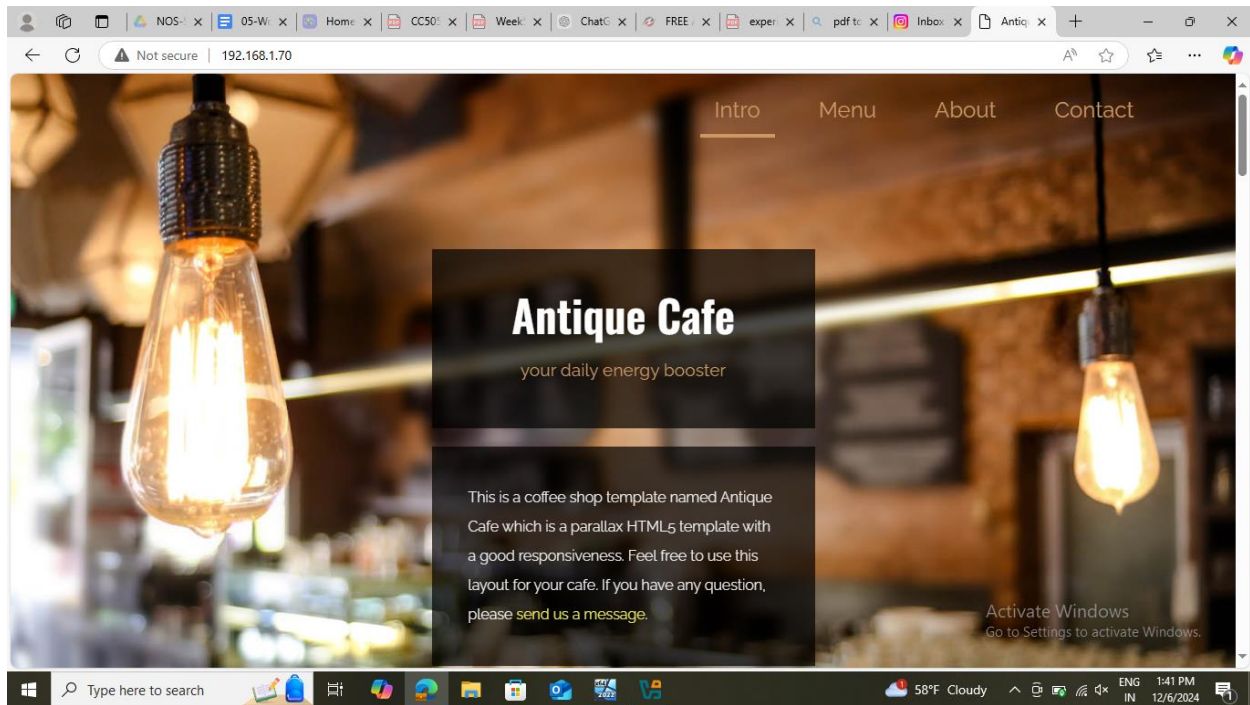 type the IP address of Guest OS in the browser of Host OS

Figure 9: browsing website in Host OS

- **Step 9**
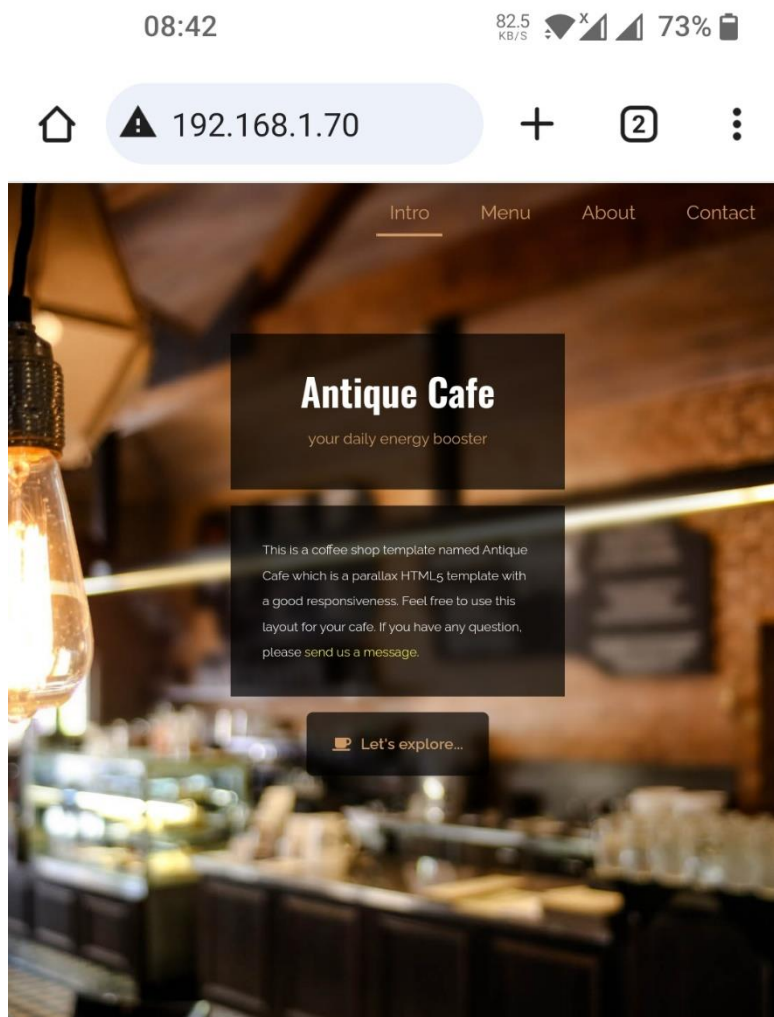 Browse the website using your smartphone.

Figure 10: browsing website from smartphone

4.2 connecting windows server from Host OS using remote connection

- **Step 1**
  Close all the VMs running including Virtual Box. And open virtualbox
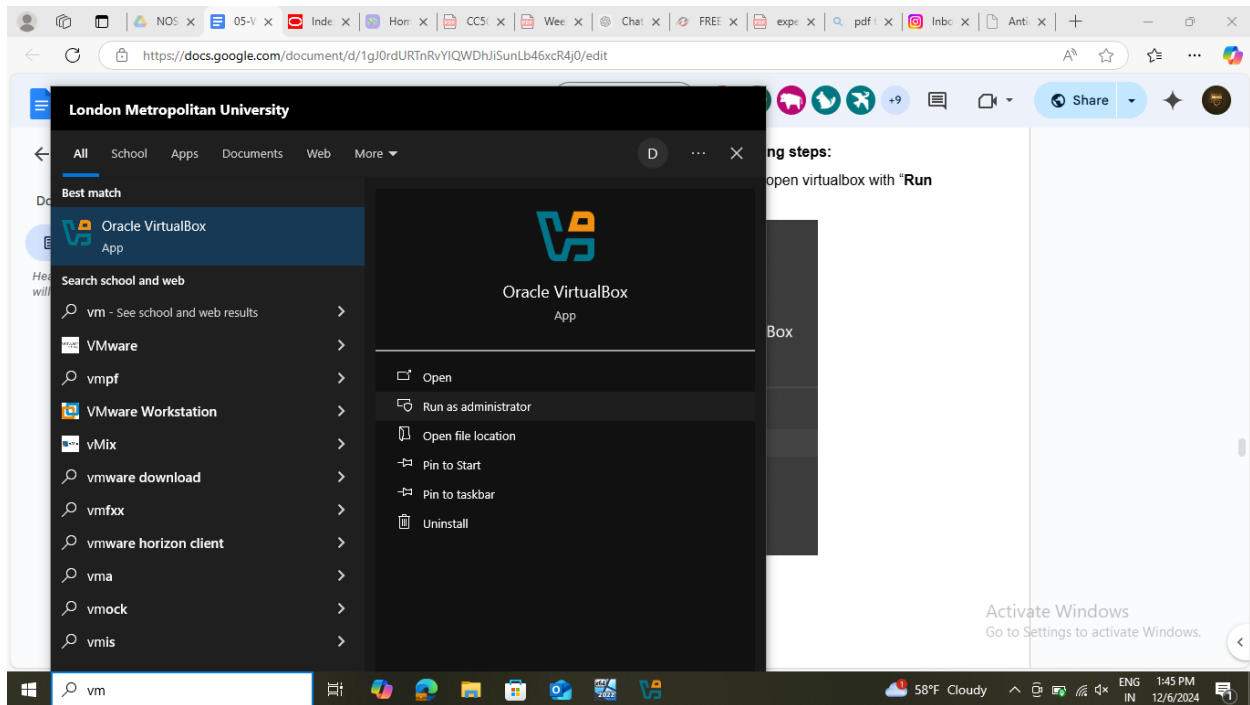 with "Run as Administrator"

Figure 12: running virtualbox as administrator

- **Step 2**
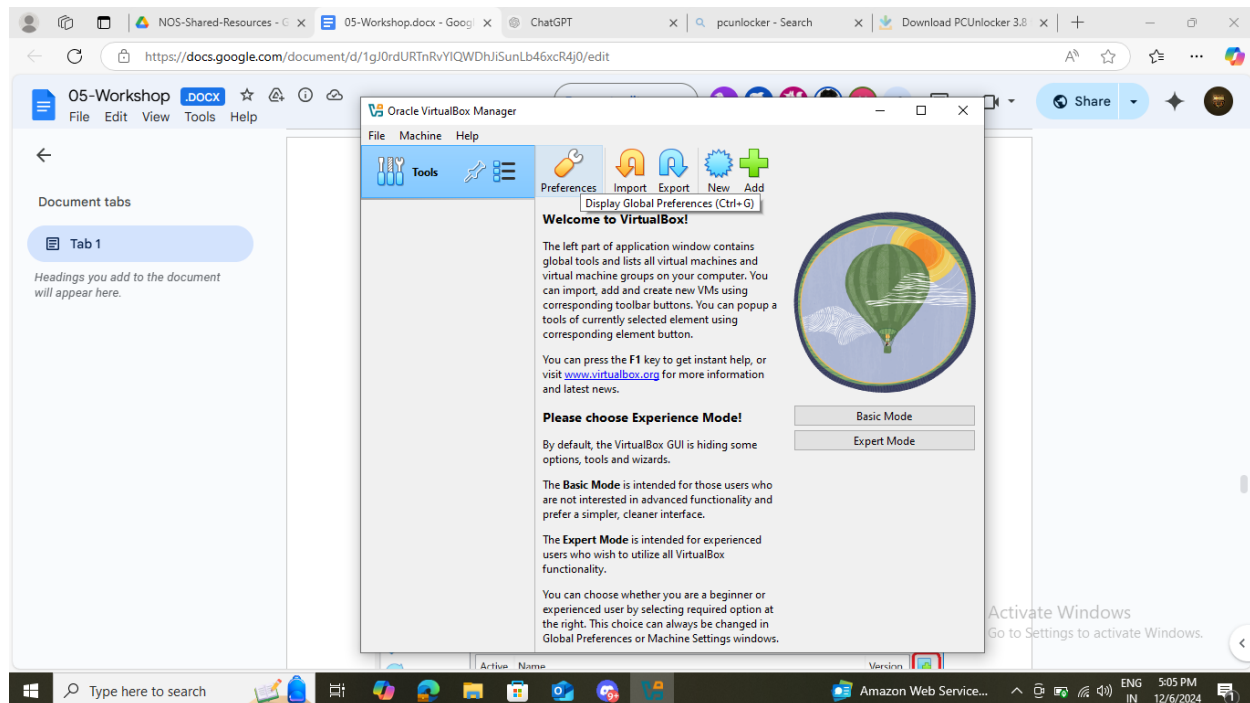 Click on "Tools " which is on top. After click on preferences.

Figure 11: clicking tools and clicking preferences

- **Step 3**

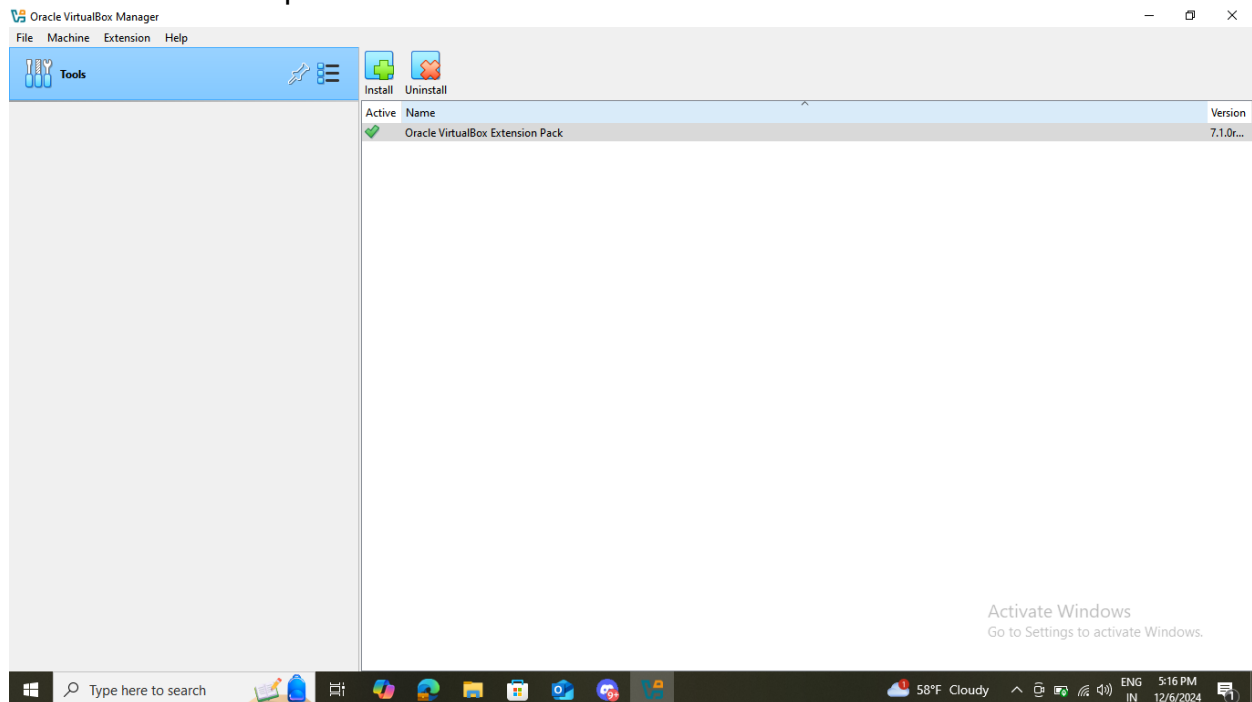Click on Extensions tab and press green install(+) icon which is on the top left.

Figure 13: adding extension

- **Step 4**
  It will open a dialog box, navigate to the extension pack file that we have downloaded earlier and select that. After selecting that click on install
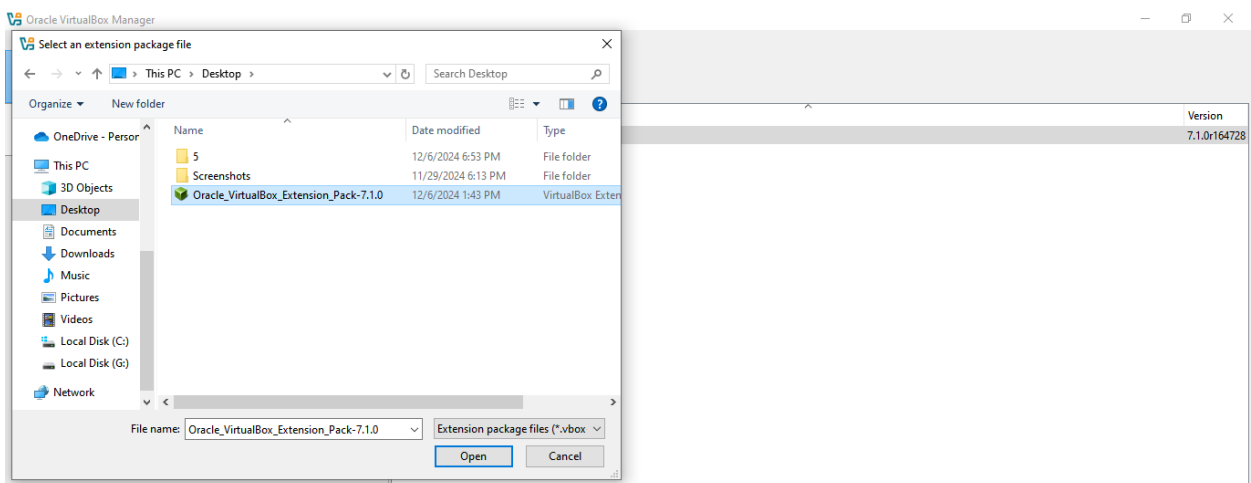

Figure 14: installing extension

- **Step 5**
  Close the tab and select the server 2022 virtual environment and click on the settings.
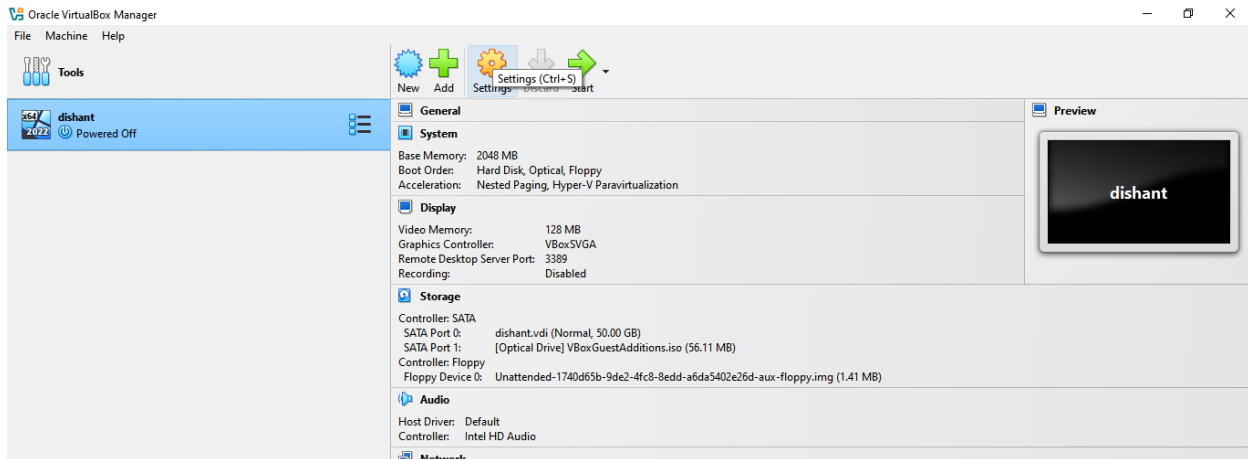

Figure 15: opening settings

- **Step 6**
  Click on display and click on remote display and click on enable server and click on.
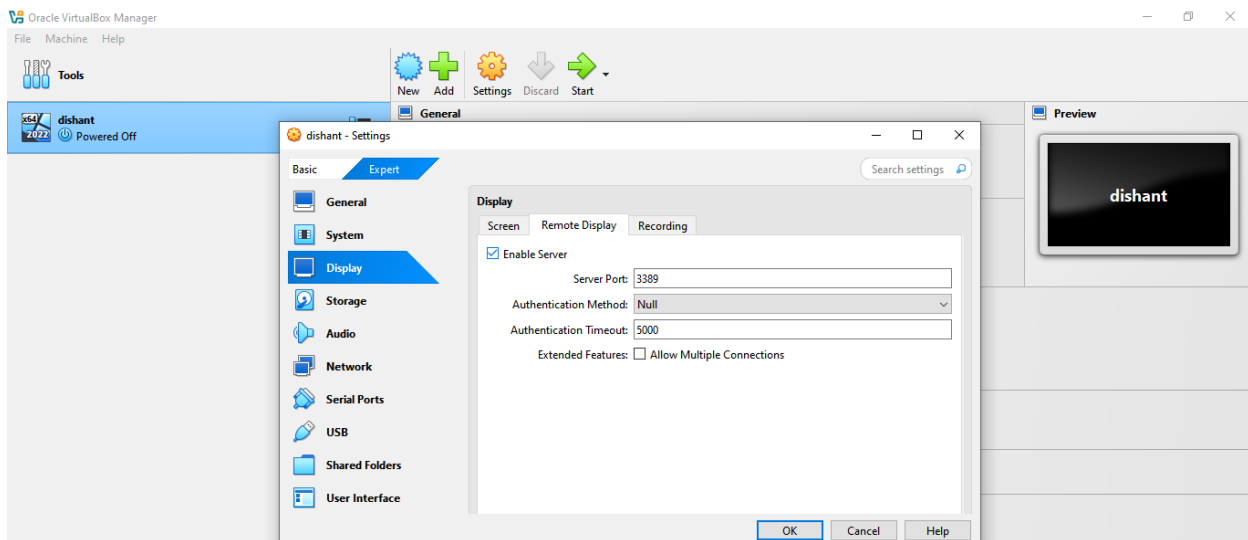

Figure 16: enabling remote desktop

- **Step 7**
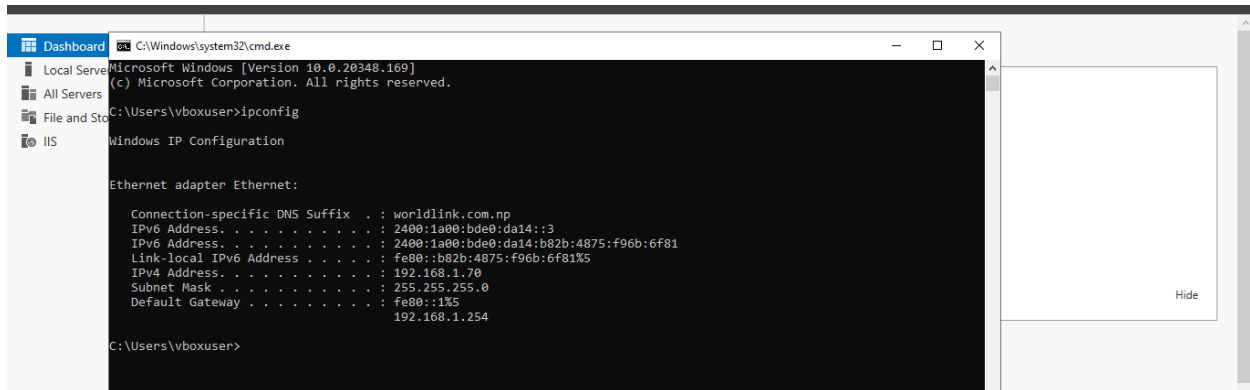 Start windows server 2022 and see your ip address of your Guest OS.

Figure 17: seeing the ip address of guest os

- **Step 8**
  Open Remote Desktop Connection from Host OS and insert IP of Guest OS and click on Connect.
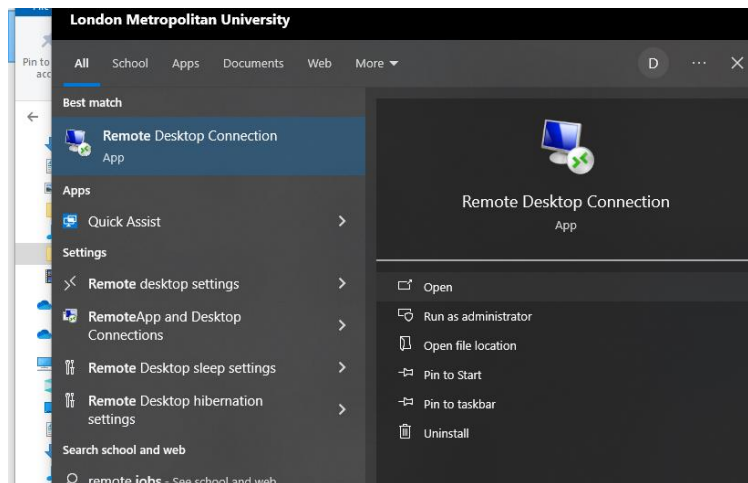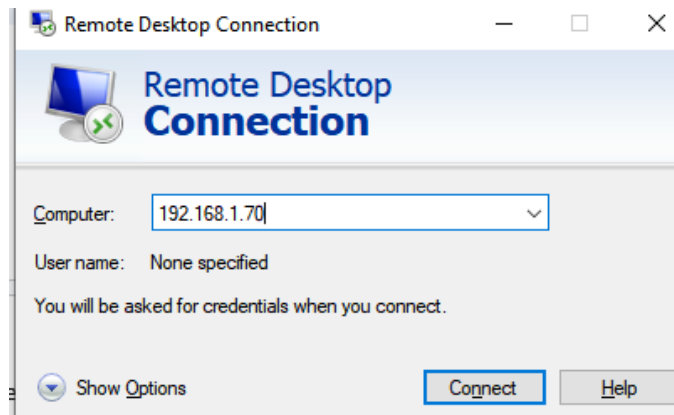

Figure 18: opening remote desktop

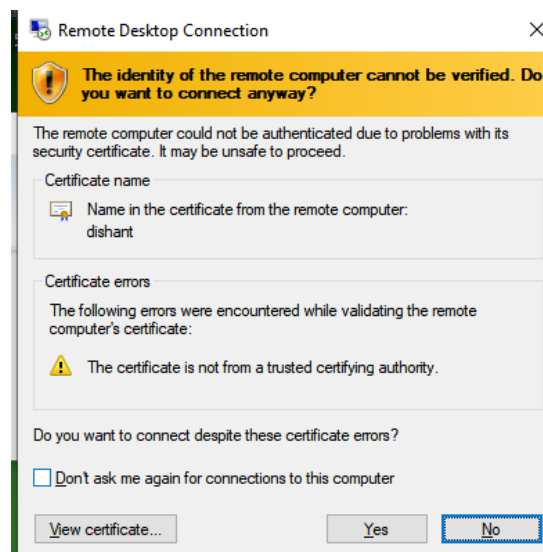*Figure 20: typing the ip of guest os*

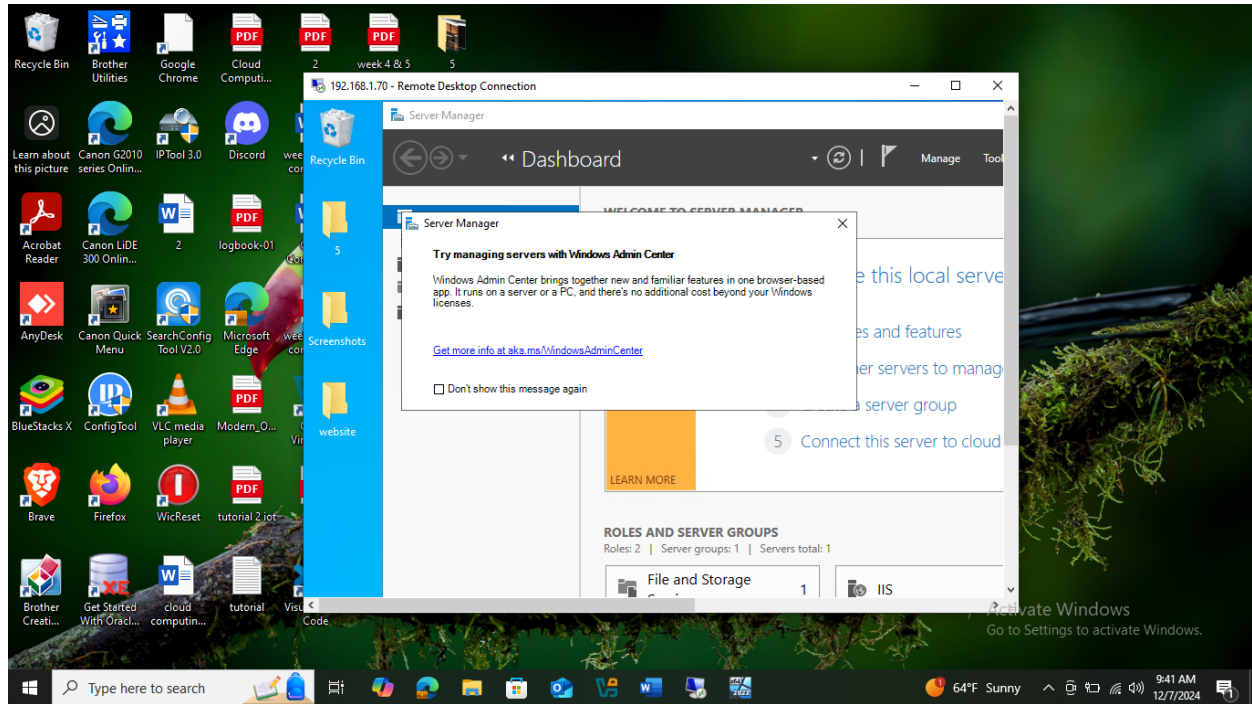*Figure 19: clicking yes*

- **Step 9**

we got the access of guest OS from host OS

Figure 21: accessing guest os from host os