

**Exp No: 1**

**Date: 16/07/24**

## **VIRTUALIZATION**

### **INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX**

**AIM:**

To configure a Virtual Machine using Virtual Box and Launch to execute a simple program using C.

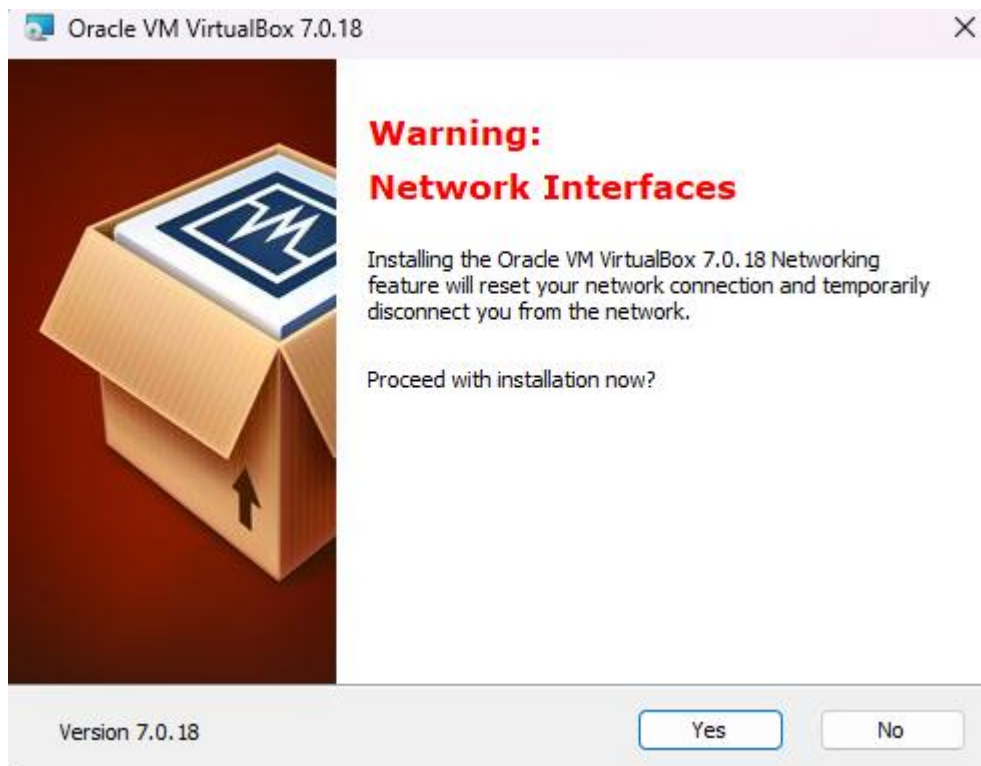
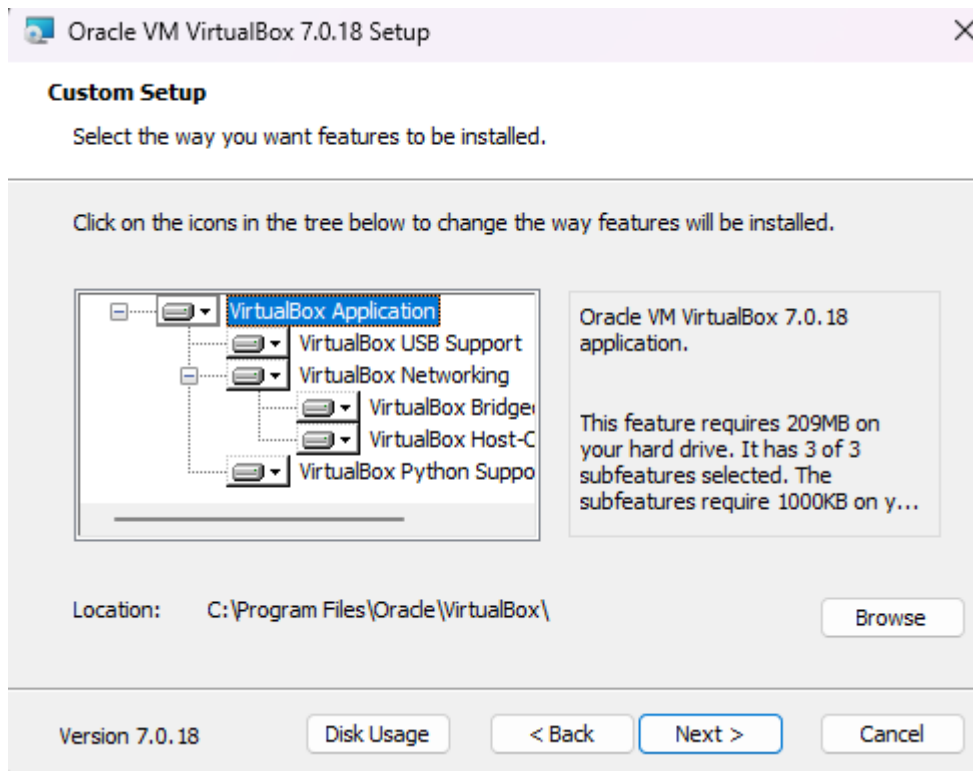
**PROCEDURE:**

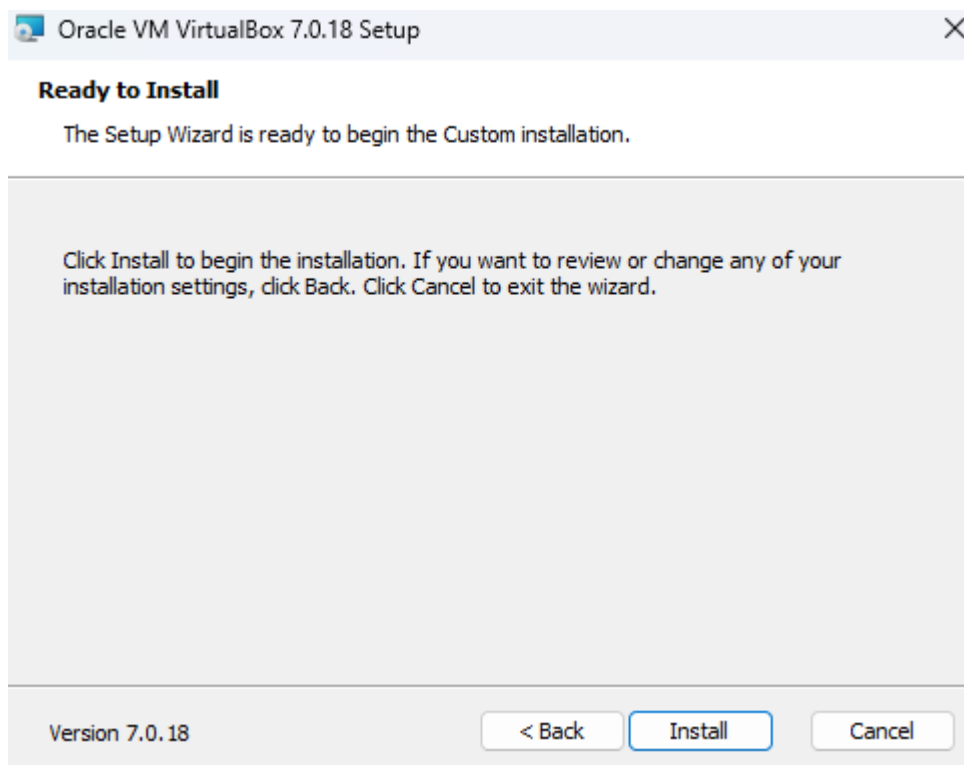
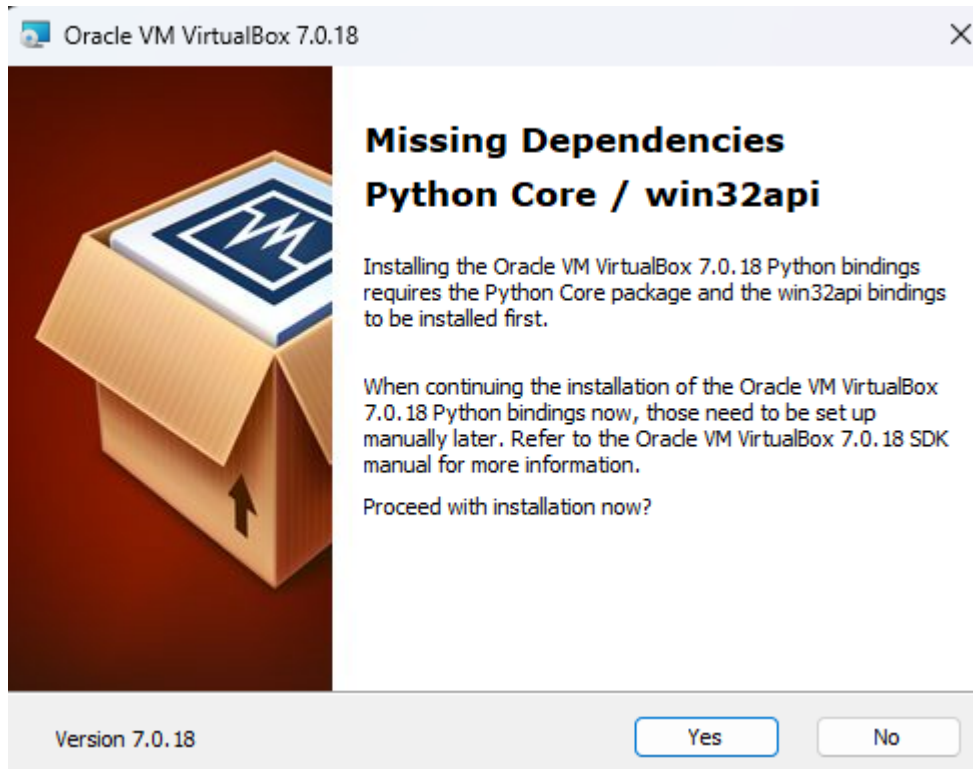
1. Launch a Virtual Box
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

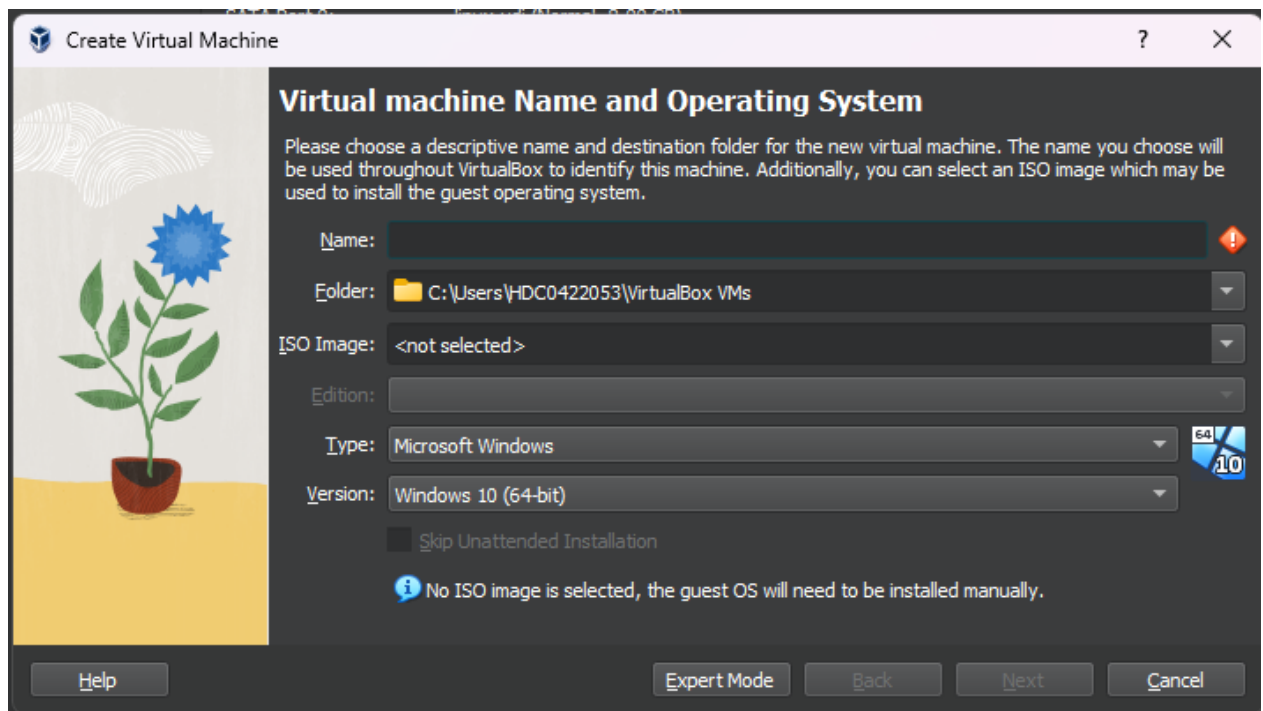
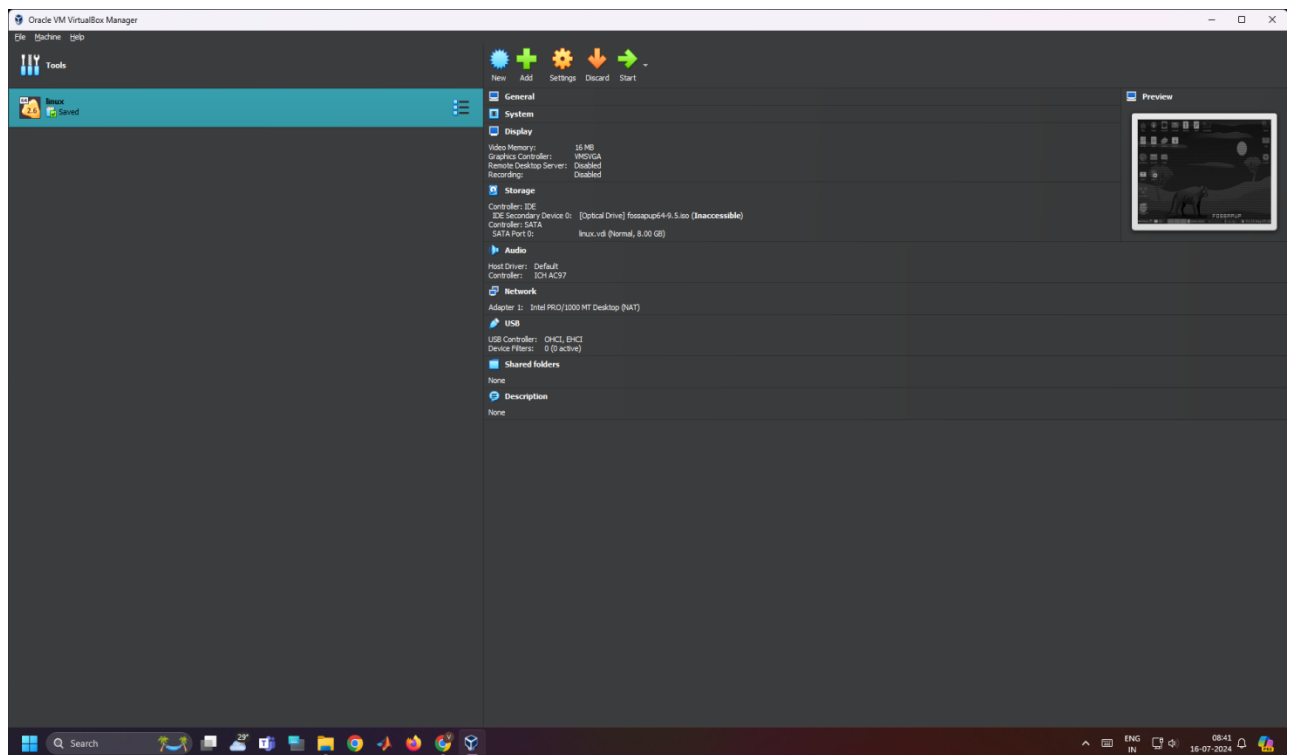
**OUTPUT:**


The virtual machine of Ubuntu OS was created using a virtual box. Ubuntu virtual machine running in Virtual Box.











## Create Virtual Machine

### Virtual machine Name and Operating System

Please choose a descriptive name and destination folder for the new virtual machine. The name you choose will be used throughout VirtualBox to identify this machine. Additionally, you can select an ISO image which may be used to install the guest operating system.

Name:  ✓

Folder:

ISO Image:

Edition:


Type:  64

Version:

☐ Skip Unattended Installation

*i* Detected OS type: Ubuntu (64-bit). This OS type can be installed unattendedly. The install will start after this wizard is closed.

[Help](#) [Expert Mode](#) [Back](#) [Next](#) [Cancel](#)



## Create Virtual Machine

### Unattended Guest OS Install Setup

You can configure the unattended guest OS install by modifying username, password, and hostname. Additionally you can enable guest additions install. For Microsoft Windows guests it is possible to provide a product key.

#### Username and Password

Username:  ✓

Password:  ✕

Repeat Password:  ✕

#### Additional Options

Product Key:

Hostname:  ✓

Domain Name:

☐ Install in Background

☒ Guest Additions

Guest Additions ISO:

[Help](#) [Back](#) [Next](#) [Cancel](#)

Create Virtual Machine

## Hardware

You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count. Enabling EFI is also possible.

Base Memory:  2048 MB

Processors:  1 CPU

☐ Enable EFI (special OSes only)

Help

Back

Next

Cancel

Create Virtual Machine

## Virtual Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☒ Create a Virtual Hard Disk Now

Disk Size:  25.00 GB

☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File

☐ Do Not Add a Virtual Hard Disk

Help

Back

Next

Cancel

Create Virtual Machine

## Summary

The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.

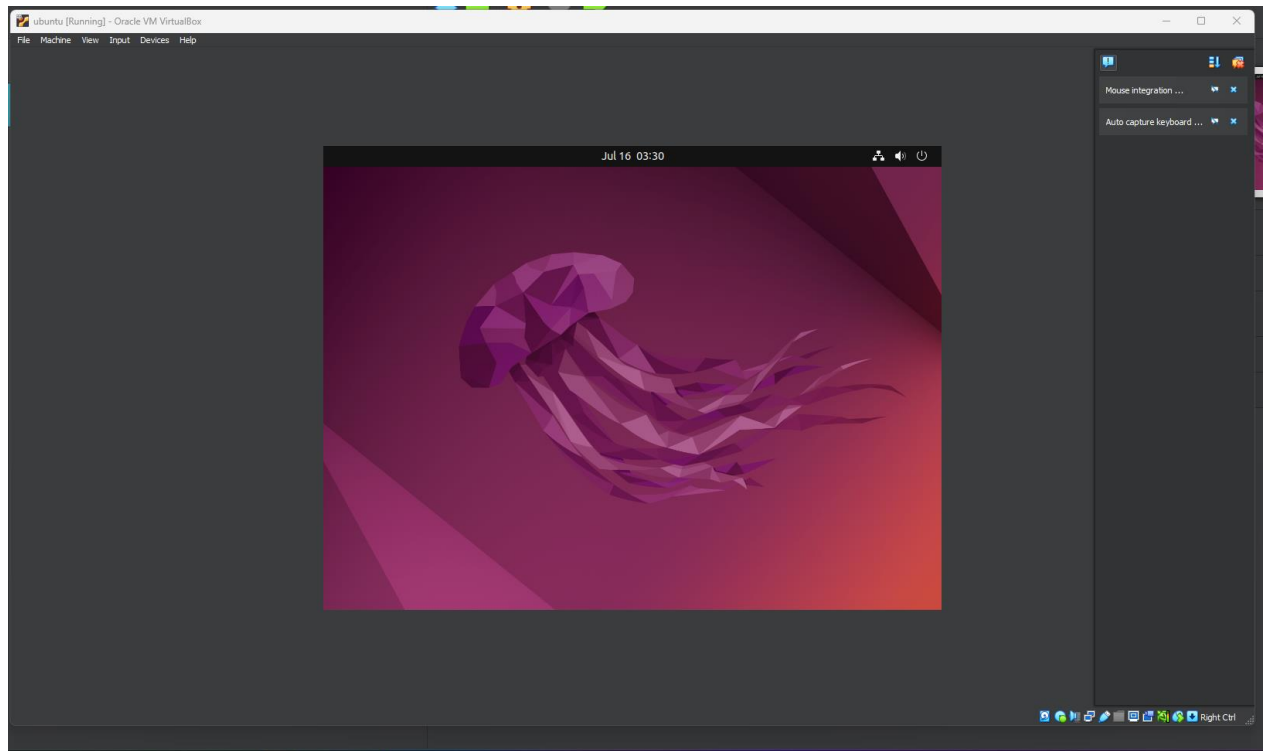
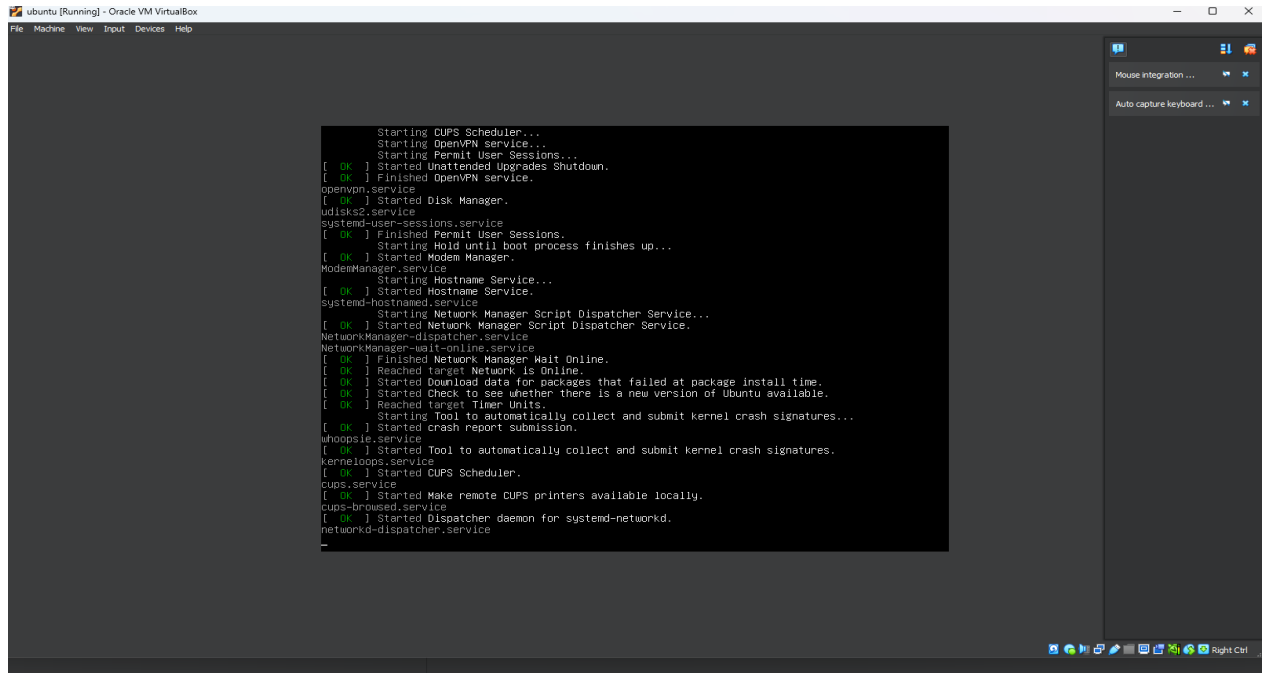
<b>Machine Name and OS Type</b>	
Machine Name	ubuntu
Machine Folder	C:/Users/HDC0422053/VirtualBox VMs/new_ubuntu/ubuntu
ISO Image	E:/vm/ubuntu-22.04.1-desktop-amd64_2.iso
Guest OS Type	Ubuntu (64-bit)
Skip Unattended Install	false
<b>Unattended Install</b>	
Username	vboxuser
Product Key	false
Hostname/Domain Name	ubuntu.myguest.virtualbox.org
Install in Background	false
Install Guest Additions	false
<b>Hardware</b>	
Base Memory	2048
Processor(s)	1
EFI Enable	false

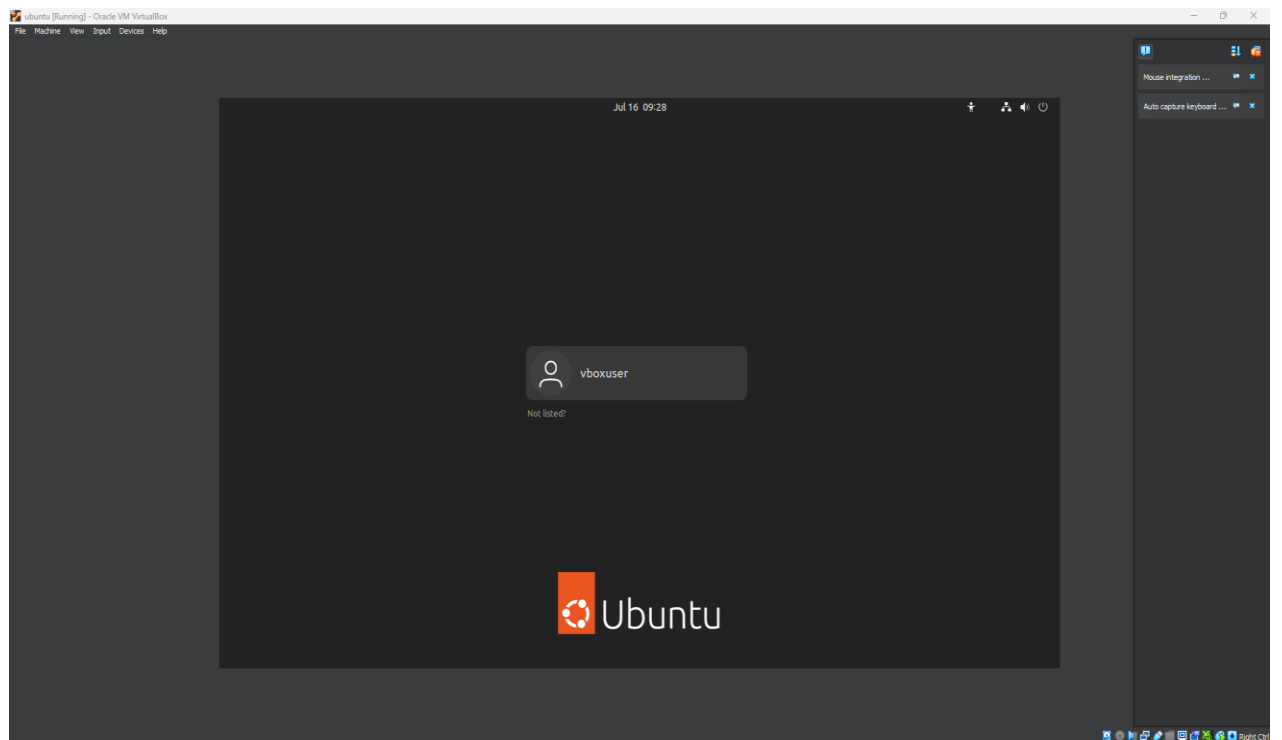
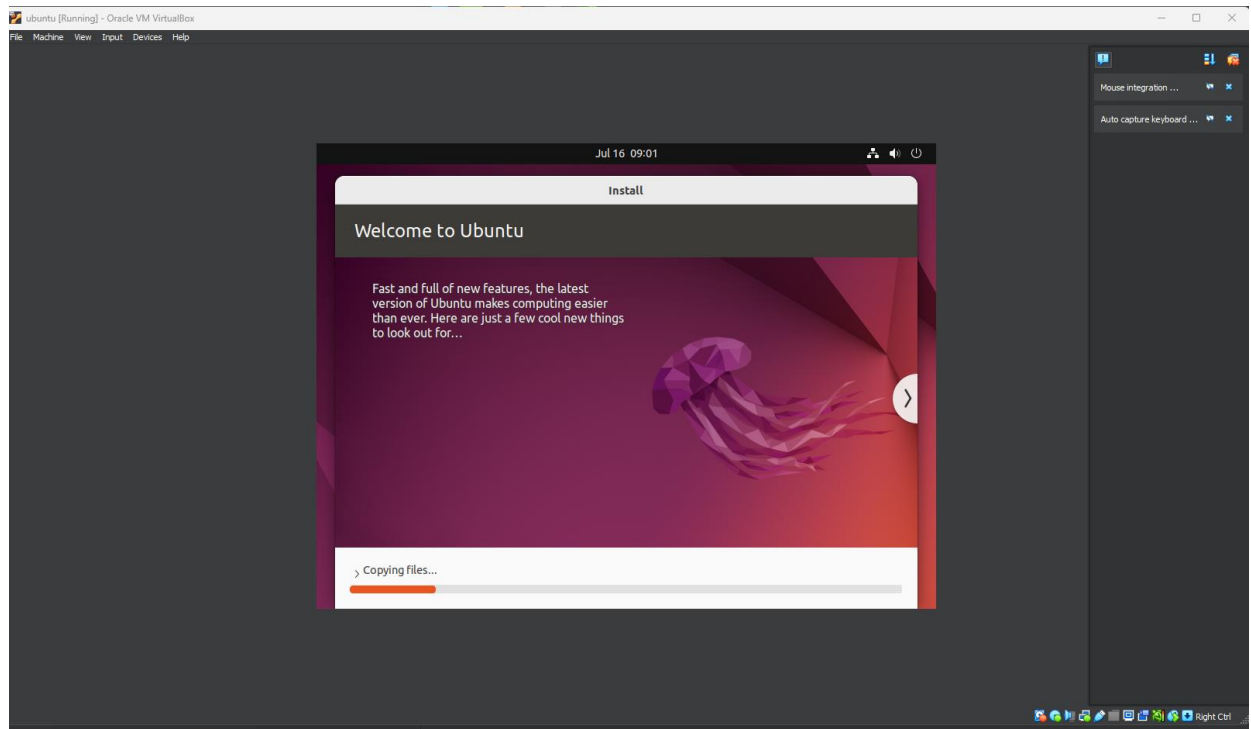
Help

Back

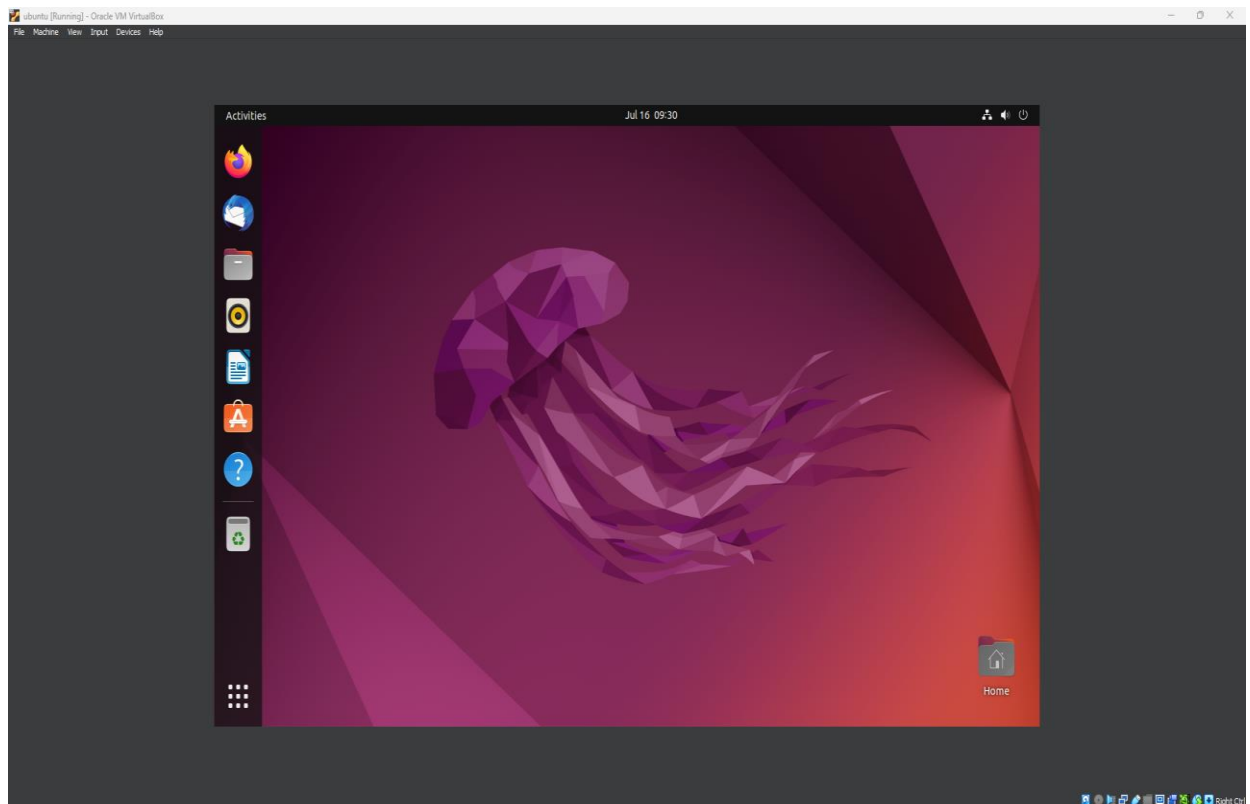
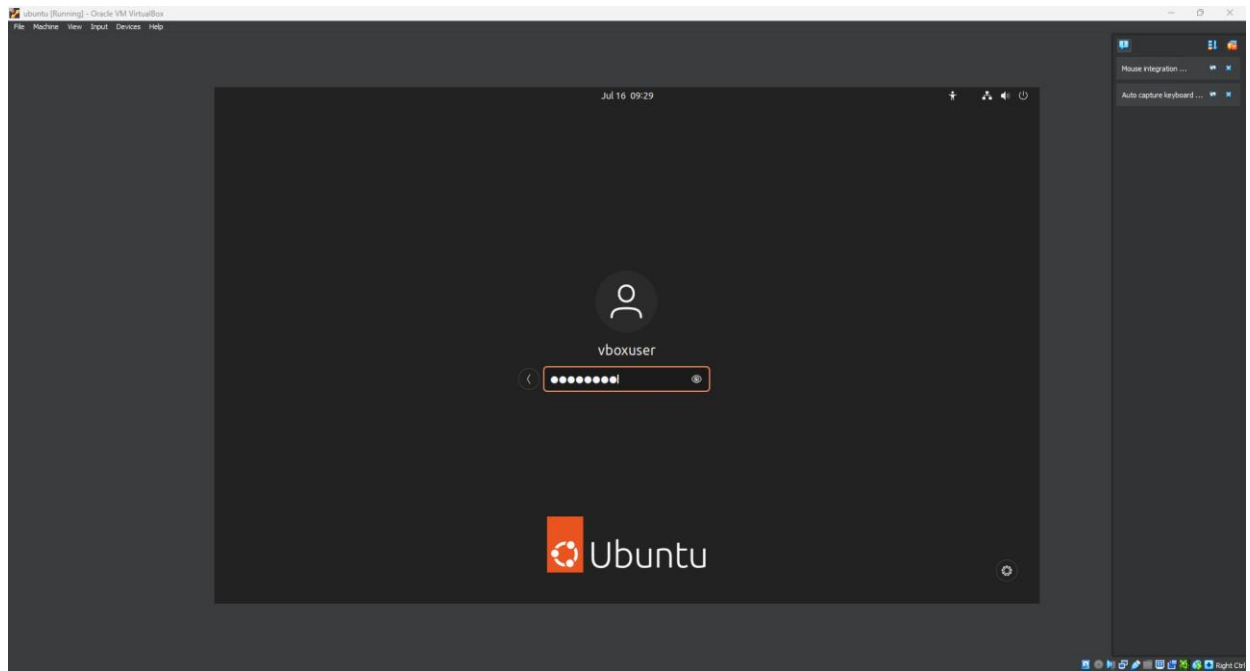
Finish

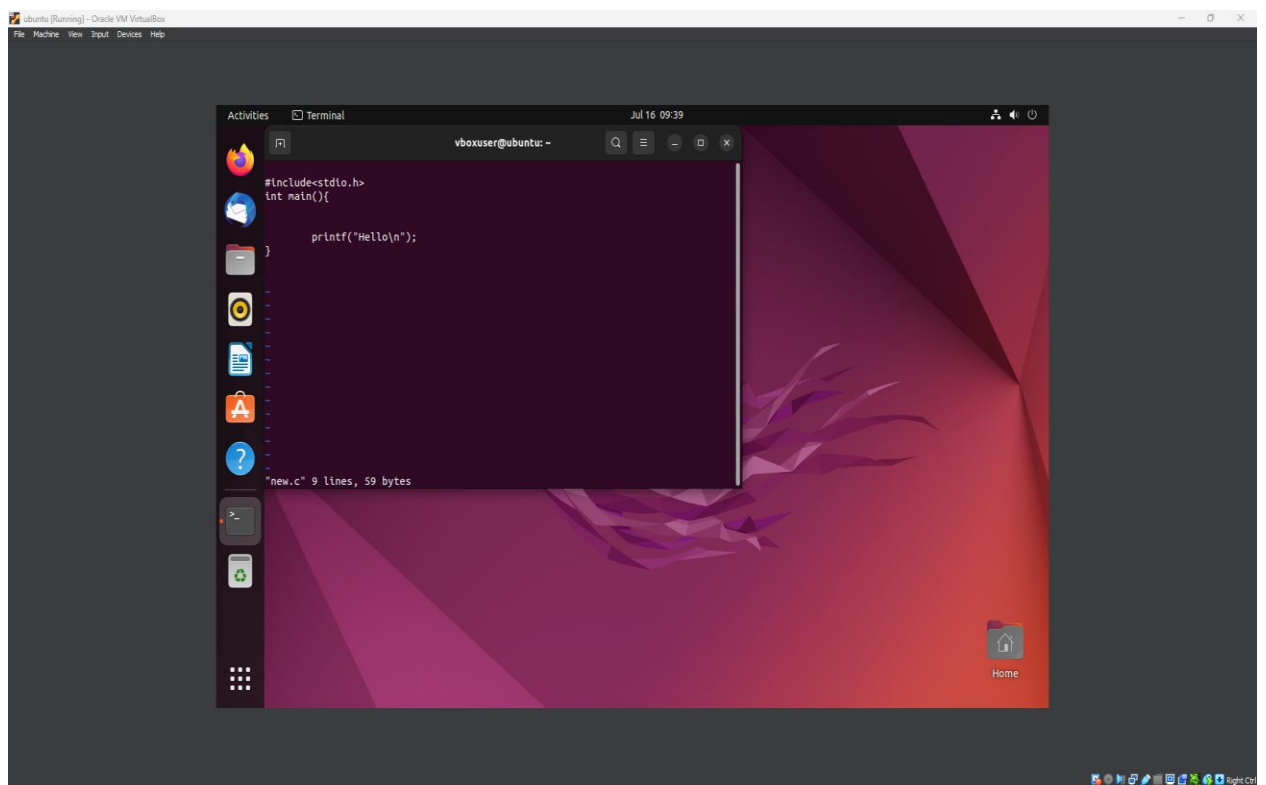
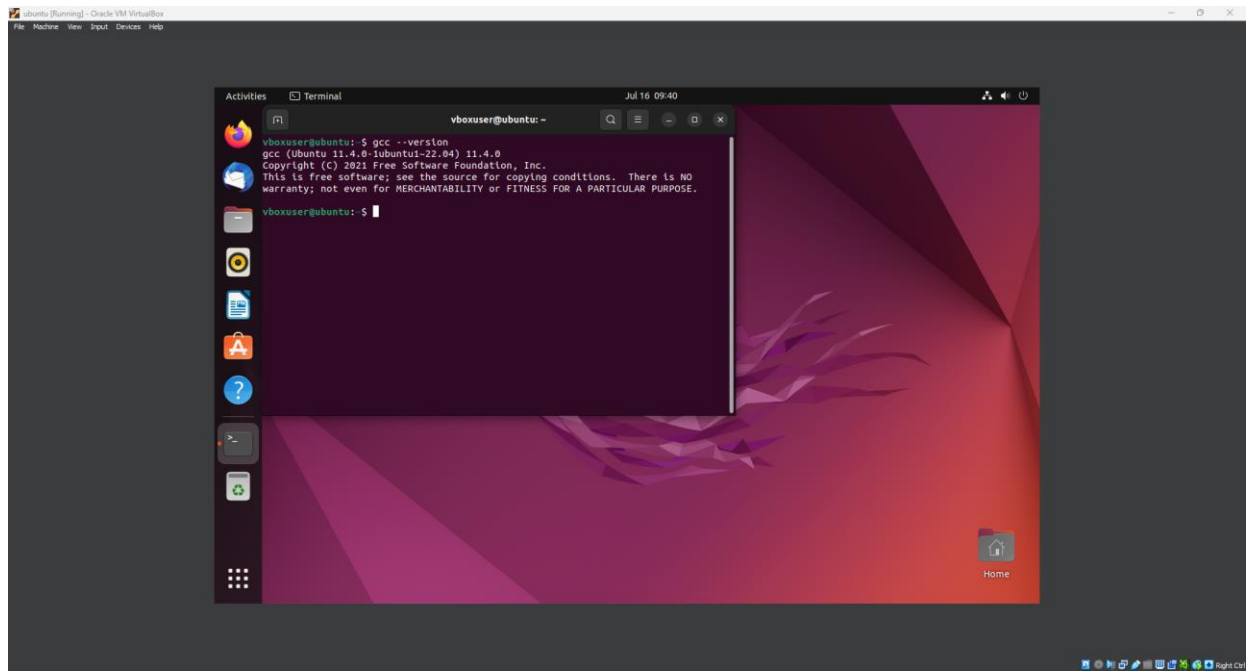
Cancel

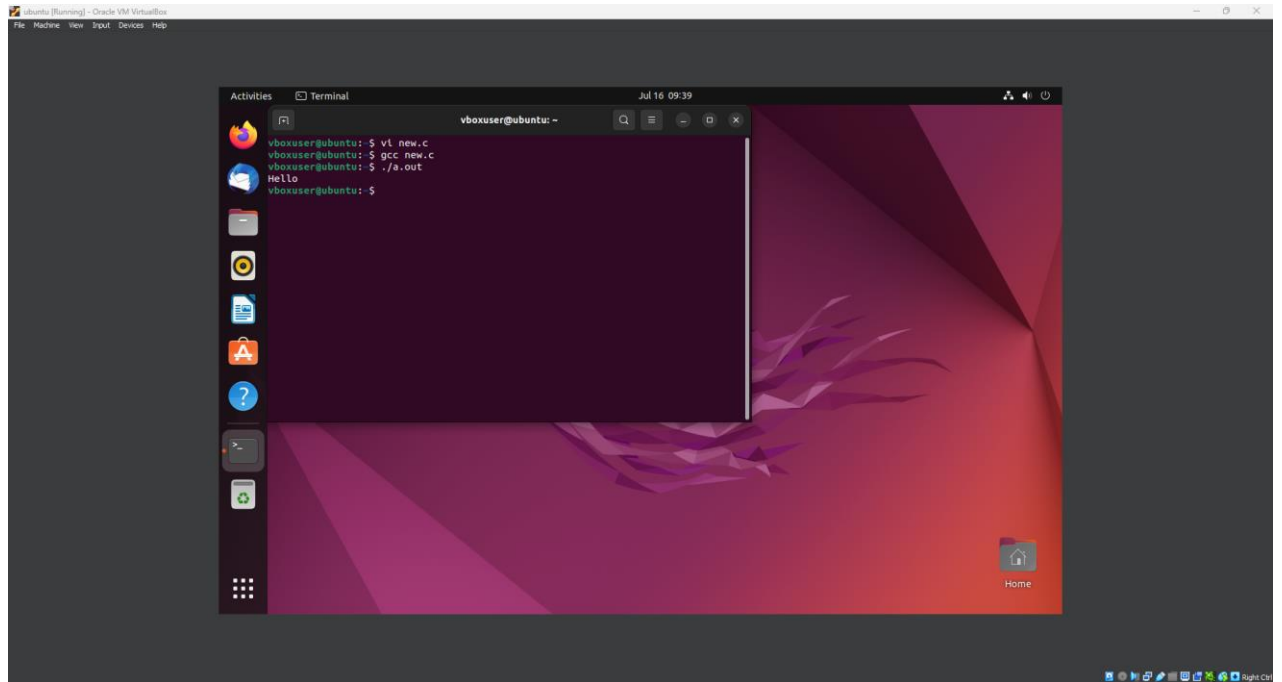












## **RESULT:**

Thus a Virtual Machine using Virtual Box has been configured and launched to execute a simple program using C.