

**Exp No: 1**  
**Date: 12.07.2024**

## **VIRTUALIZATION**

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

**AIM:**

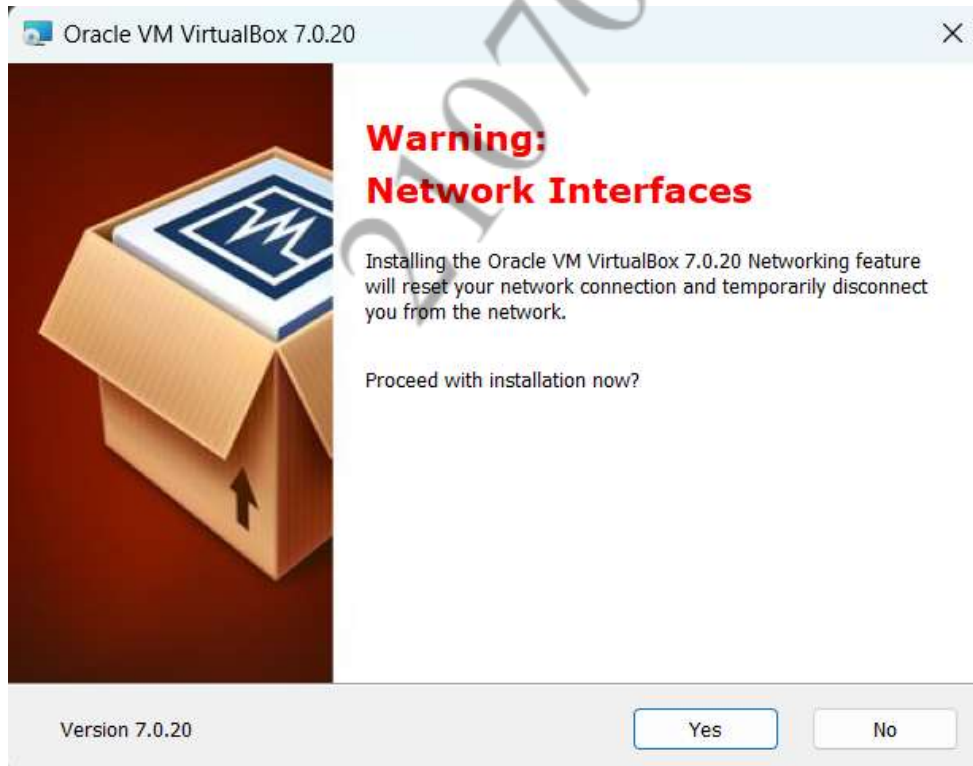
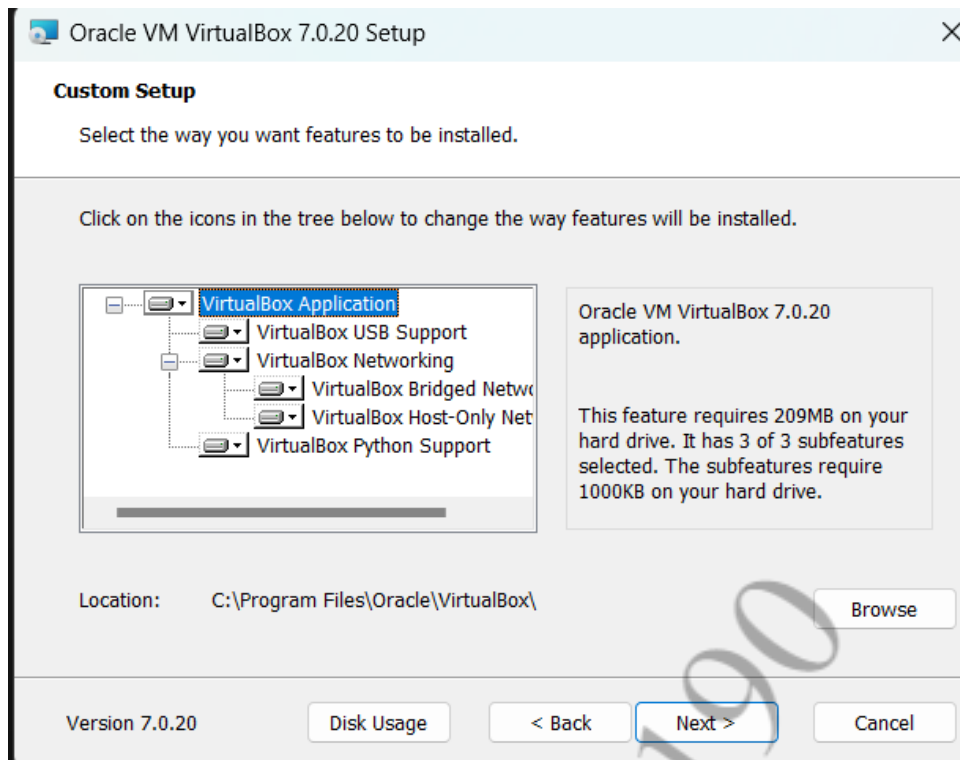
To configure a Virtual Machine using Virtual Box and Launch to execute a simple program using PYTHON.

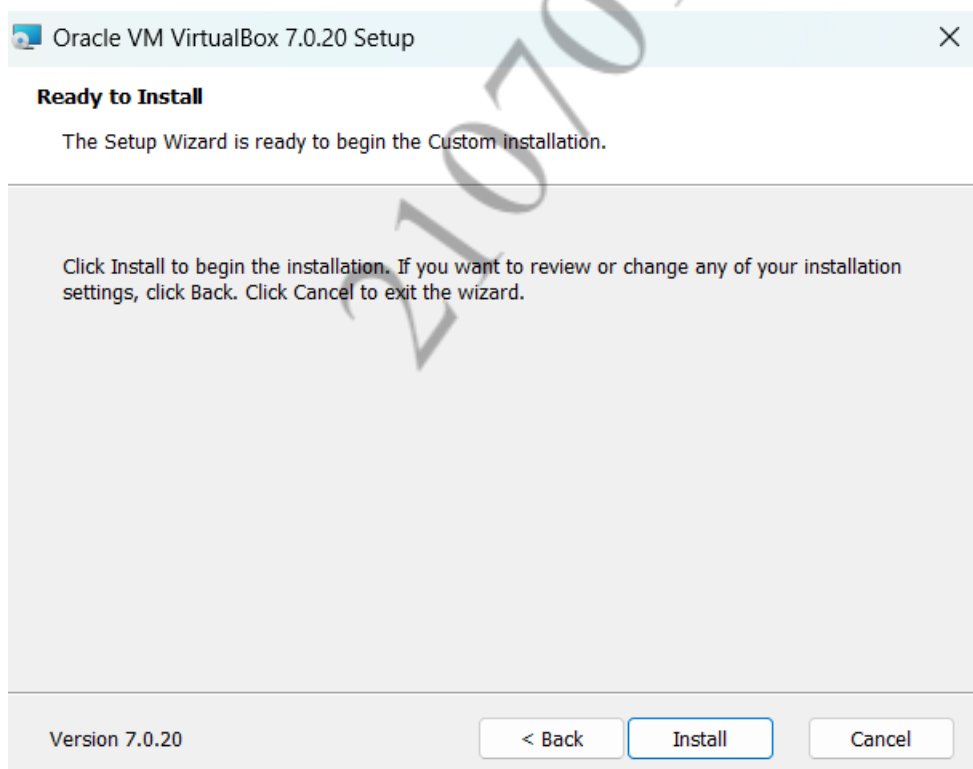
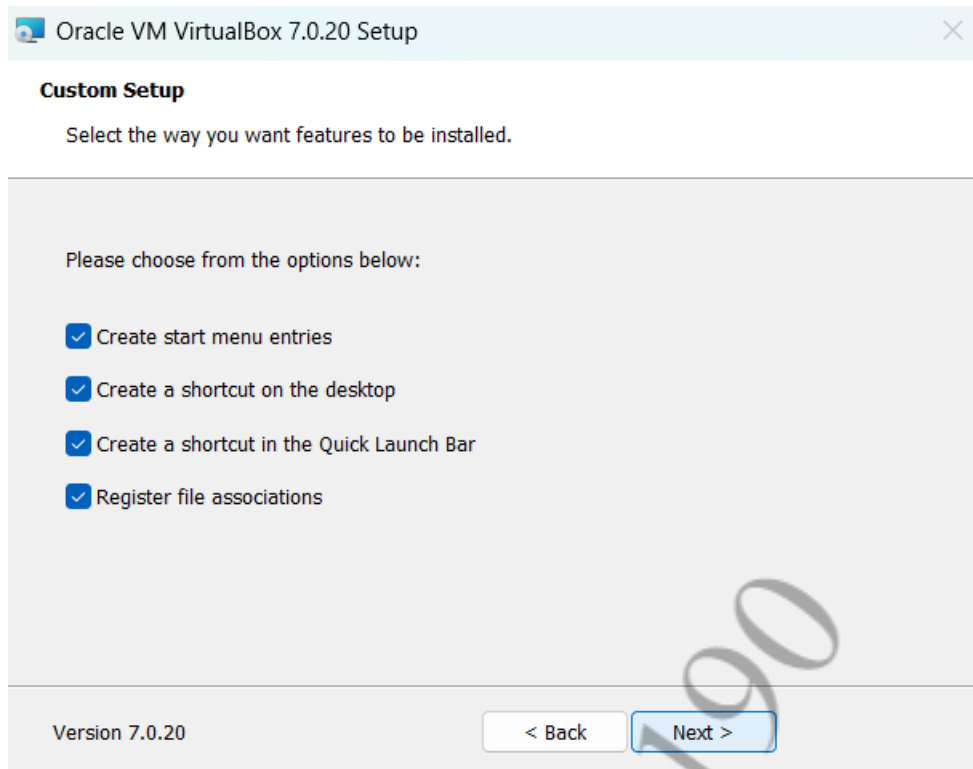
**PROCEDURE:**

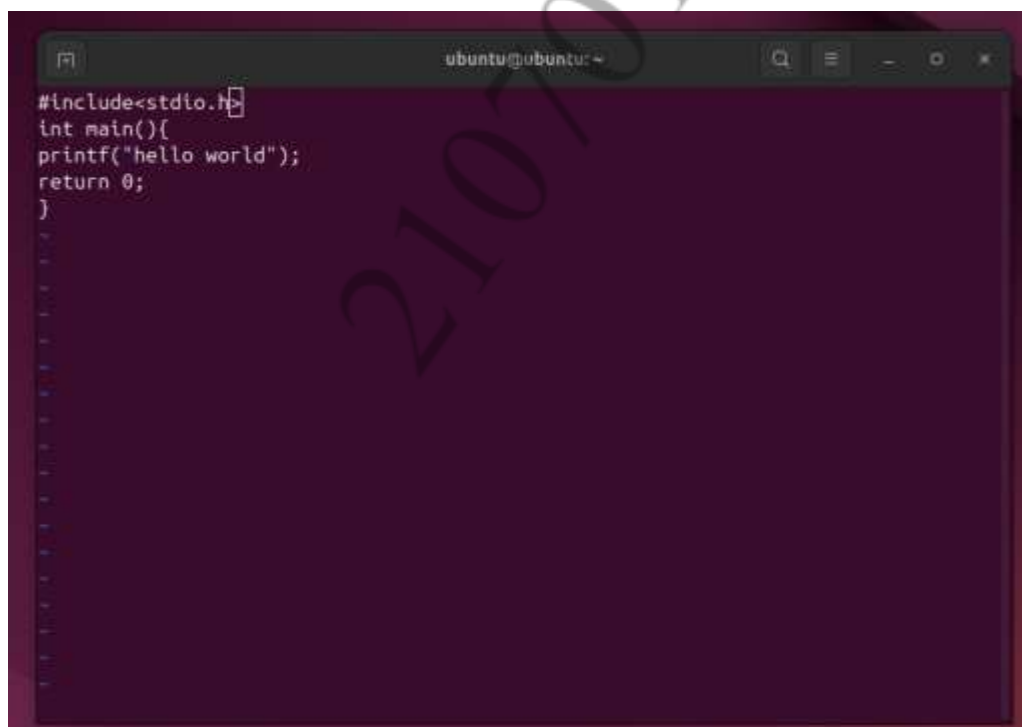
1. Launch a Virtual Box
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON or JAVA Compiler and execute a simple program

**OUTPUT:**

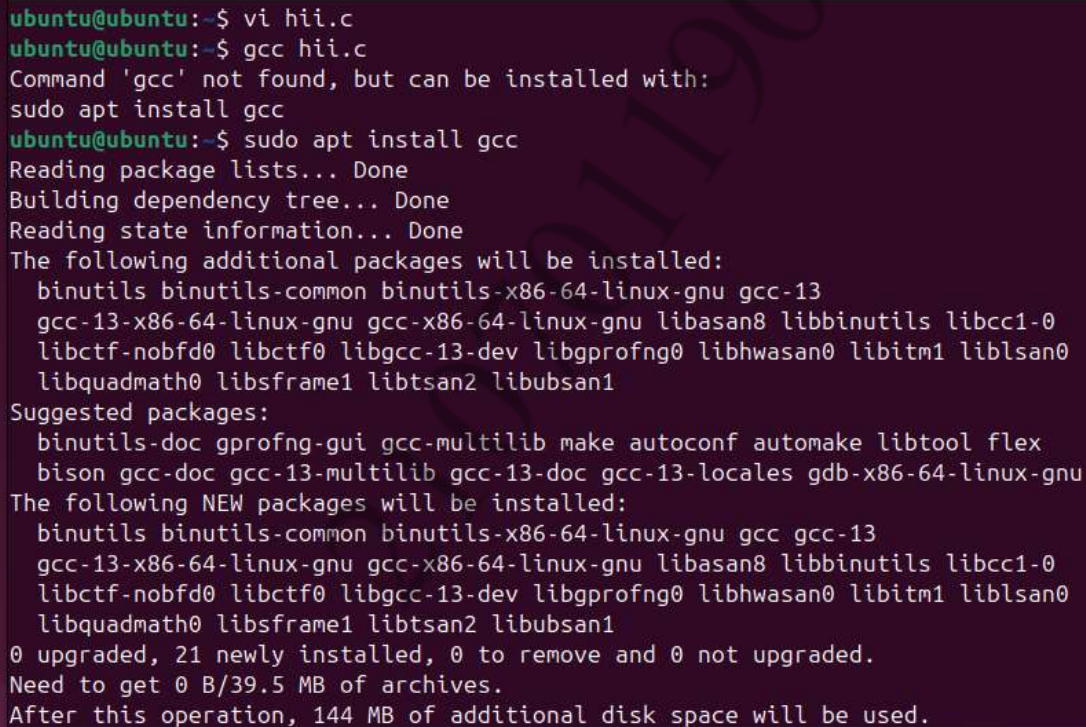








```
Setting up gcc-13 (13.2.0-23ubuntu4) ...
Setting up gcc-x86-64-linux-gnu (4:13.2.0-7ubuntu1) ...
Setting up gcc (4:13.2.0-7ubuntu1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8) ...
ubuntu@ubuntu:~$ gcc hii.c
ubuntu@ubuntu:~$ ./a.out
./a.out: command not found
ubuntu@ubuntu:~$ ./a.out
hello worldubuntu@ubuntu:~$ -
```



A terminal window titled 'ubuntu@ubuntu: ~' with standard Ubuntu window controls (search, menu, zoom, close). The terminal shows the following commands and output:

```
ubuntu@ubuntu:~$ vi hii.c
ubuntu@ubuntu:~$ gcc hii.c
Command 'gcc' not found, but can be installed with:
sudo apt install gcc
ubuntu@ubuntu:~$ sudo apt install gcc
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu gcc-13
  gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libasan8 libbinutils libcc1-0
  libctf-nobfd0 libctf0 libgcc-13-dev libgprofng0 libhwasan0 libitm1 liblsan0
  libquadmath0 libsframe1 libtsan2 libubsan1
Suggested packages:
  binutils-doc gprofng-gui gcc-multilib make autoconf automake libtool flex
  bison gcc-doc gcc-13-multilib gcc-13-doc gcc-13-locales gdb-x86-64-linux-gnu
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu gcc gcc-13
  gcc-13-x86-64-linux-gnu gcc-x86-64-linux-gnu libasan8 libbinutils libcc1-0
  libctf-nobfd0 libctf0 libgcc-13-dev libgprofng0 libhwasan0 libitm1 liblsan0
  libquadmath0 libsframe1 libtsan2 libubsan1
0 upgraded, 21 newly installed, 0 to remove and 0 not upgraded.
Need to get 0 B/39.5 MB of archives.
After this operation, 144 MB of additional disk space will be used.
```

## RESULT:

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