

Exp No: 3
Date: 12.7.24

VIRTUALIZATION

INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX

AIM:

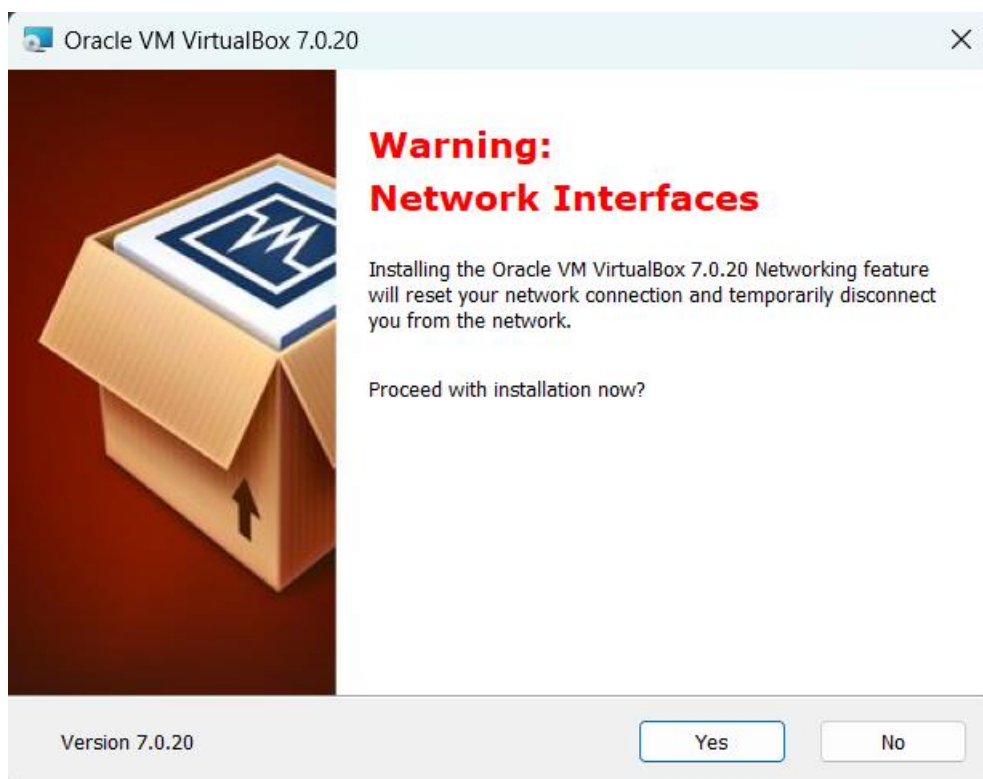
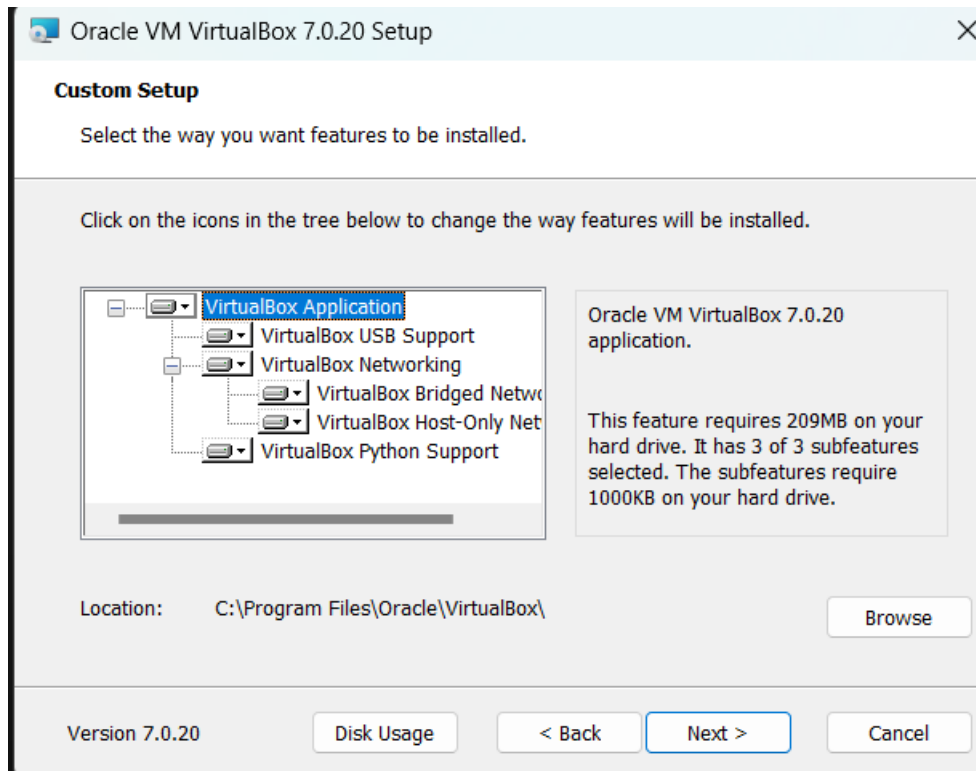
To configure a Virtual Machine using Virtual Box and Launch to execute a simple program using PYTHON.

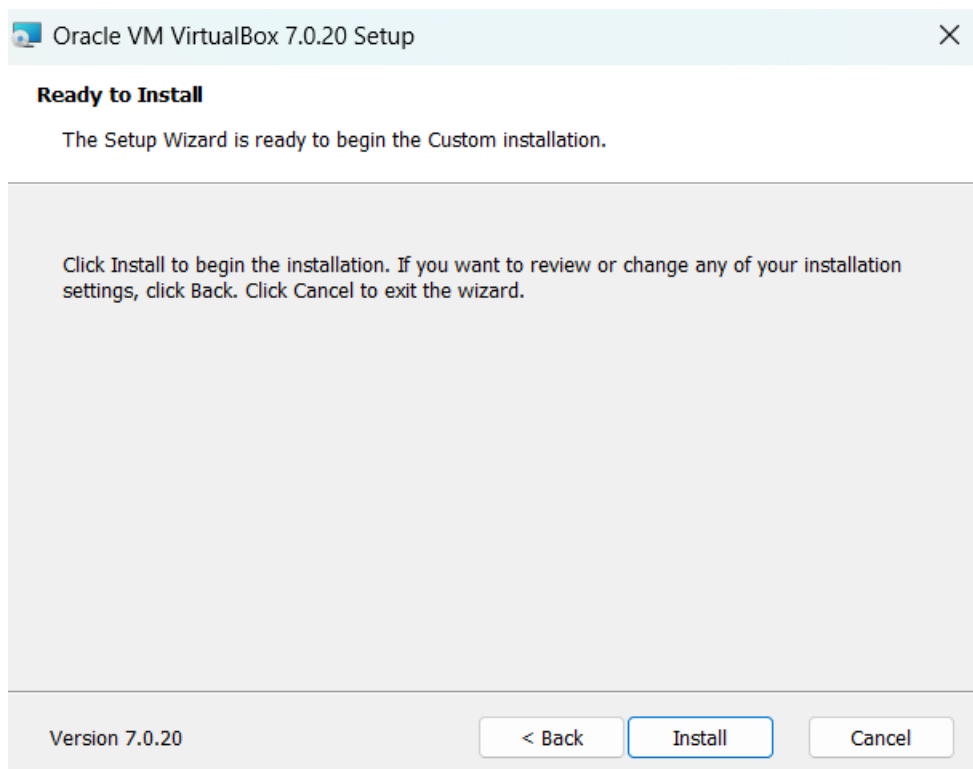
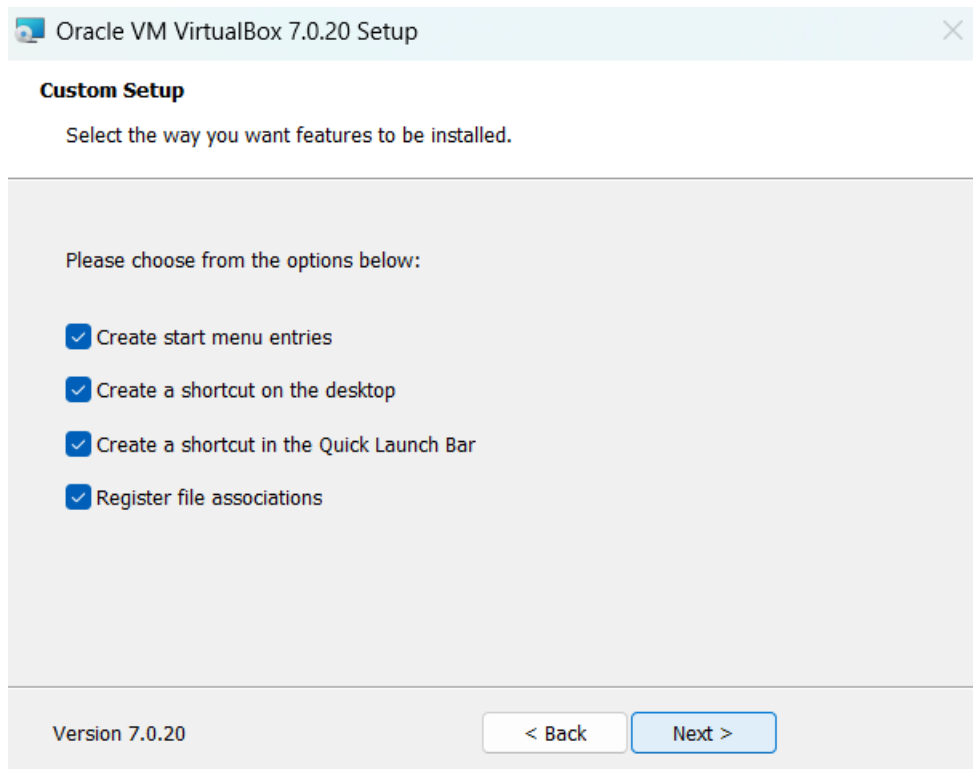
PROCEDURE:

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:



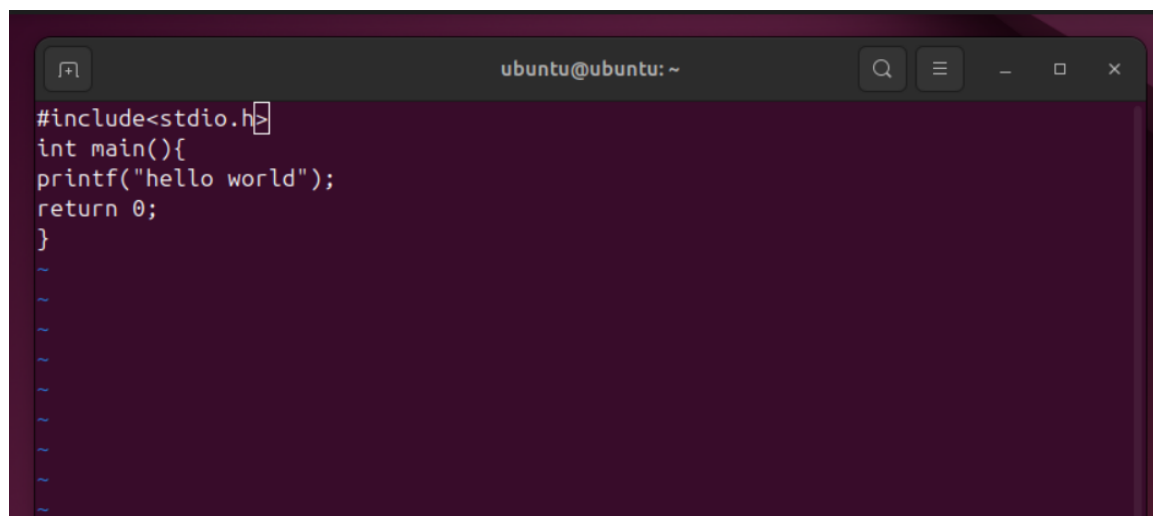






```
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ vi hii.c  
ubuntu@ubuntu:~$ gcc hii.c  
Command 'gcc' not found, but can be installed with:  
sudo apt install gcc  
ubuntu@ubuntu:~$ sudo apt install gcc  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The 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.
```

```
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:~$ -
```



The image shows a code editor window titled 'ubuntu@ubuntu: ~'. The editor contains the following C code:

```
#include<stdio.h>
int main(){
printf("hello world");
return 0;
}
~
~
~
~
~
~
~
```

RESULT:

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