

Exp No: 3

Date:

VIRTUALIZATION

INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX

AIM:

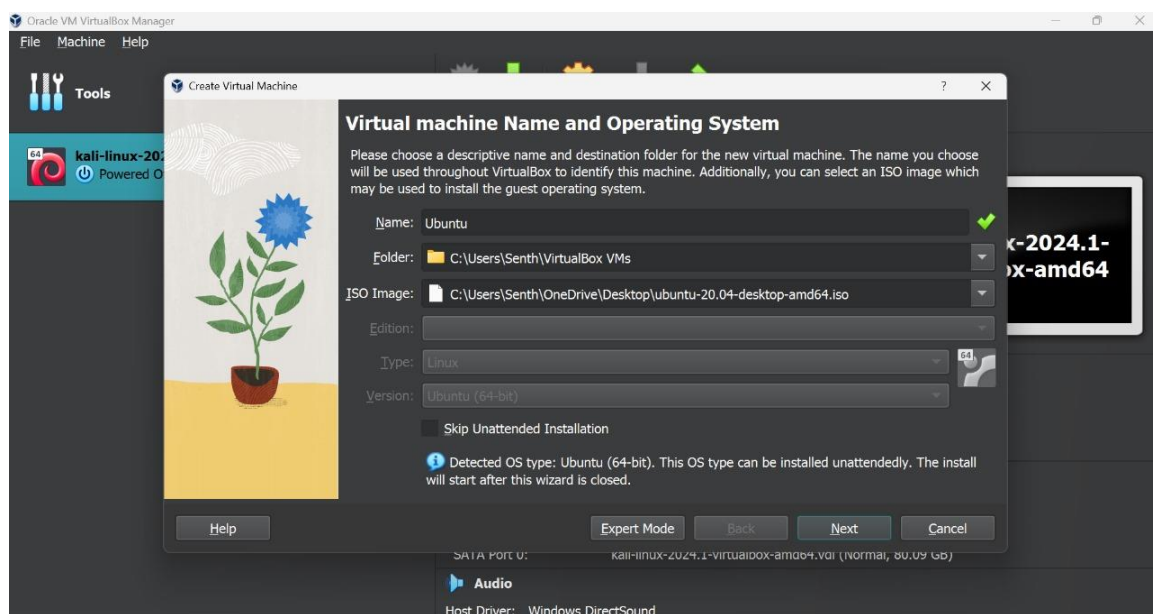
To configure a Virtual Machine using Virtual Box and Launch to execute a simple program using C.

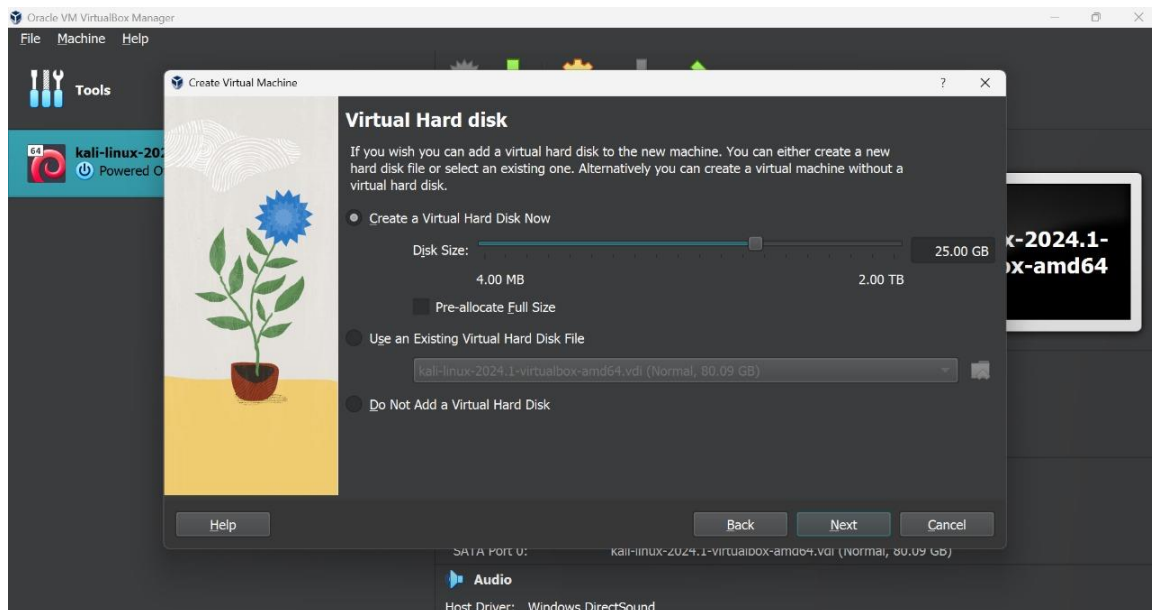
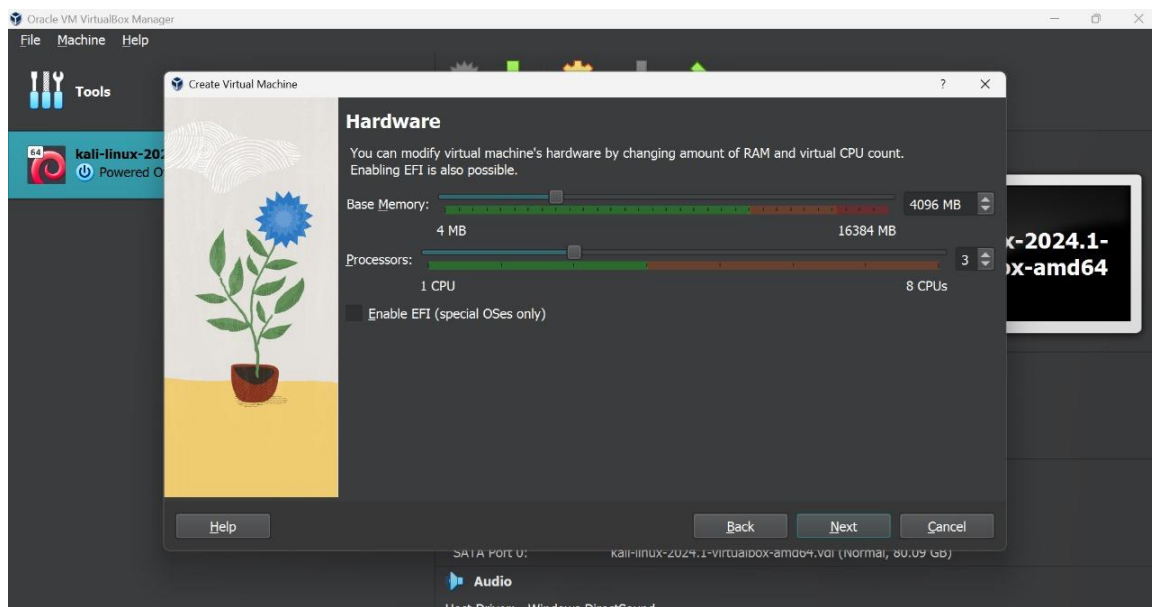
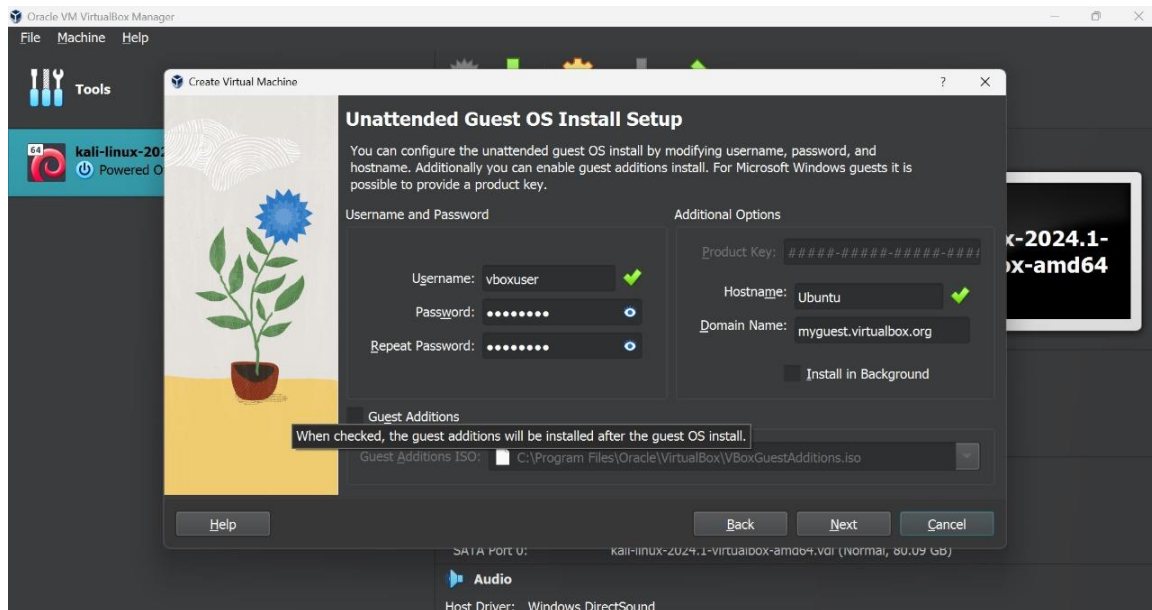
PROCEDURE:

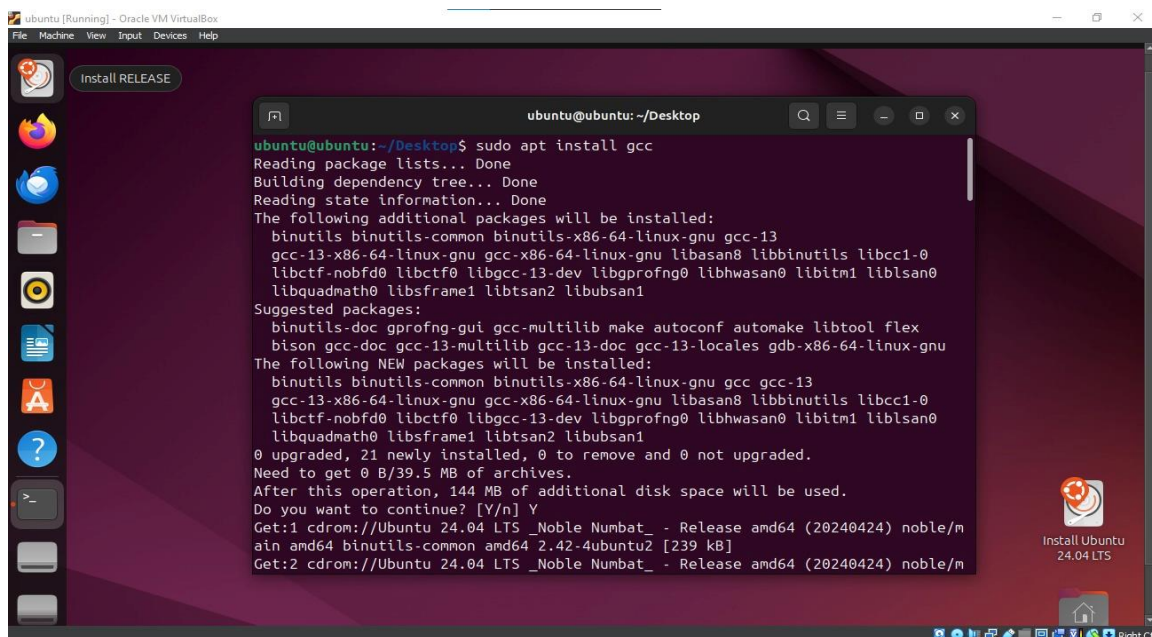
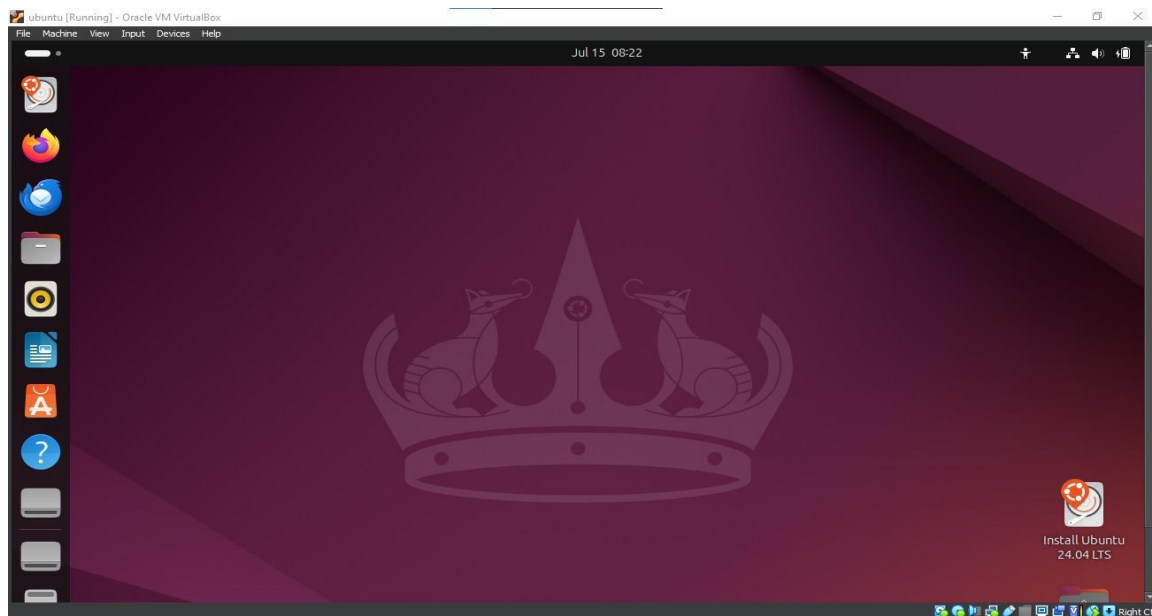
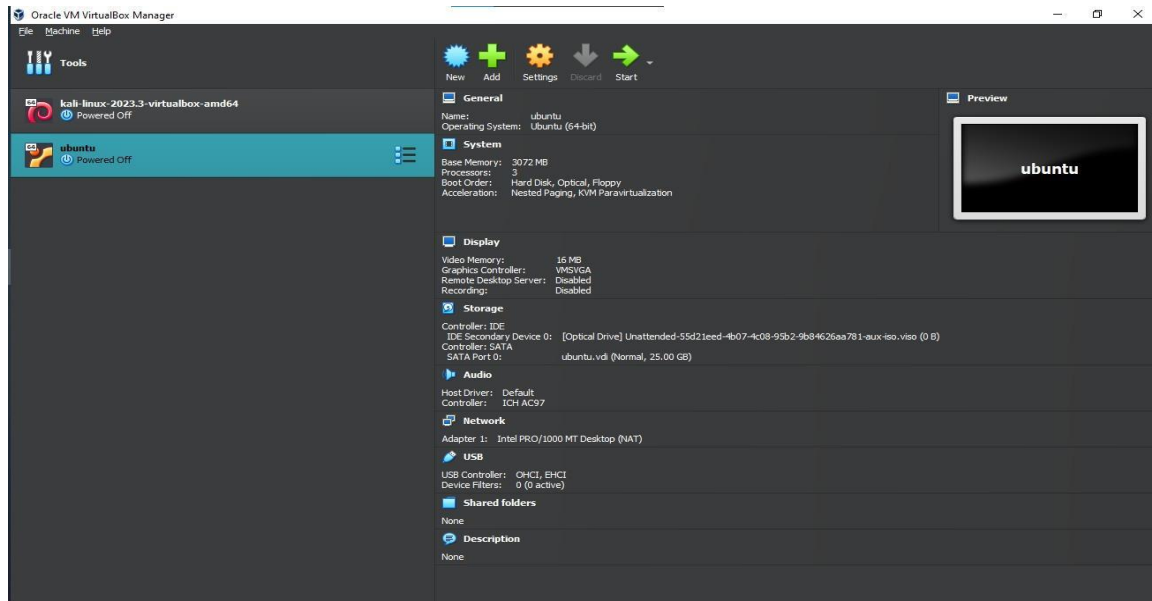
1. Launch a Virtual Box
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C, PYTHON OR JAVA Compiler and execute a simple program.

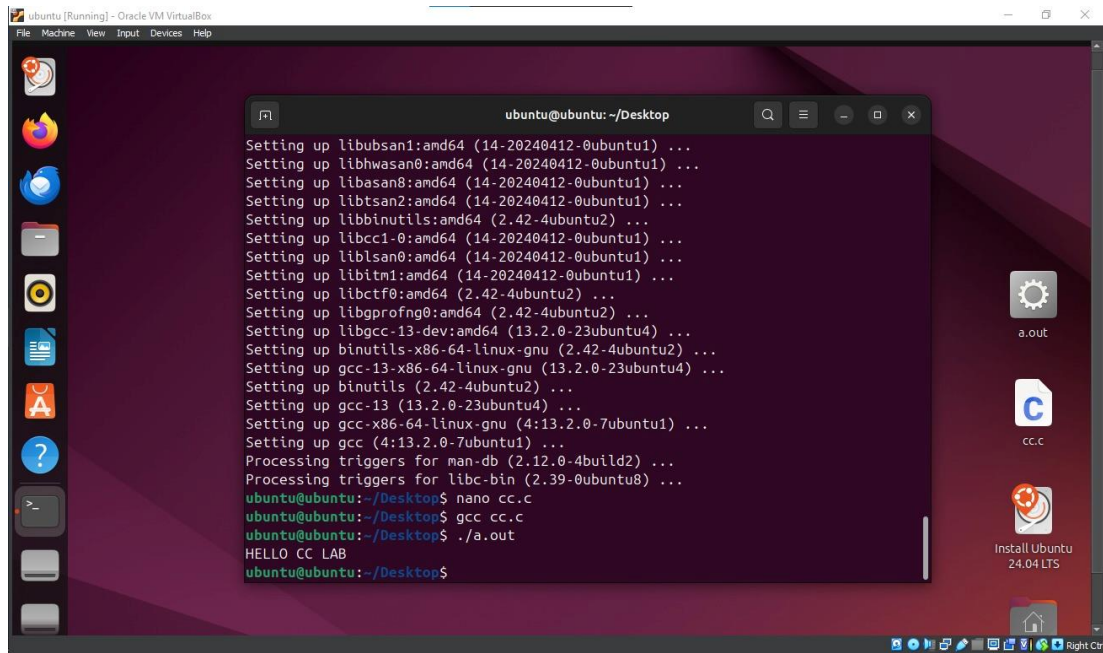
OUTPUT:

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



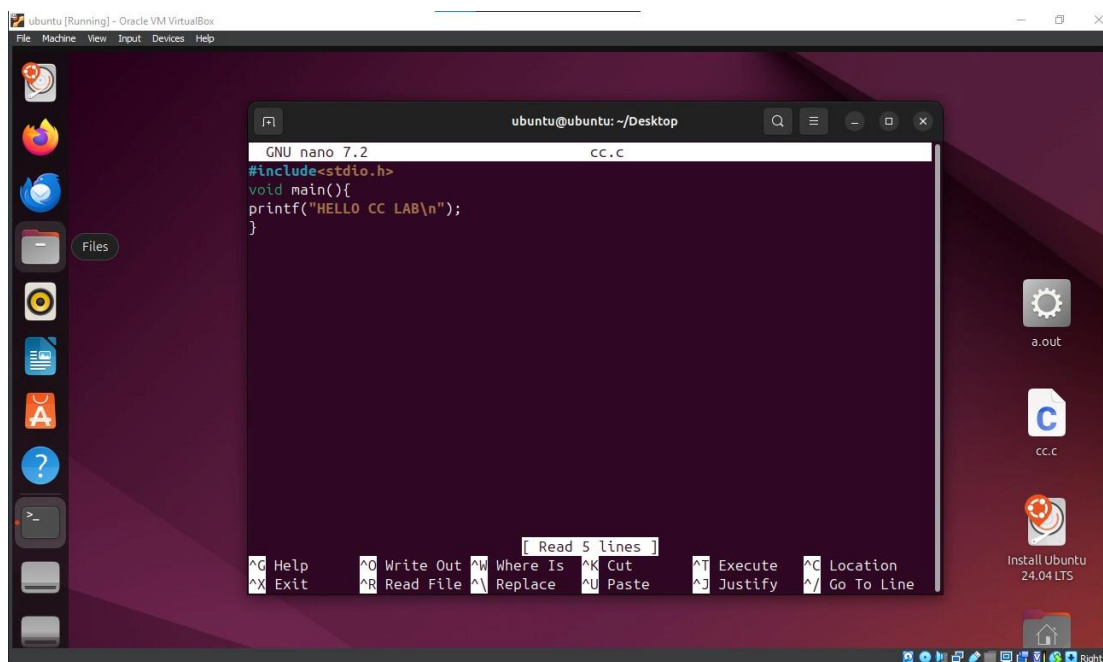






```
ubuntu@ubuntu: ~/Desktop
Setting up libubsan1:amd64 (14-20240412-0ubuntu1) ...
Setting up libhwasan0:amd64 (14-20240412-0ubuntu1) ...
Setting up libasan8:amd64 (14-20240412-0ubuntu1) ...
Setting up libtsan2:amd64 (14-20240412-0ubuntu1) ...
Setting up libbinutils:amd64 (2.42-4ubuntu2) ...
Setting up libgcc1:amd64 (14-20240412-0ubuntu1) ...
Setting up liblsan0:amd64 (14-20240412-0ubuntu1) ...
Setting up libitm1:amd64 (14-20240412-0ubuntu1) ...
Setting up libctf0:amd64 (2.42-4ubuntu2) ...
Setting up libgprofng0:amd64 (2.42-4ubuntu2) ...
Setting up libgcc-13-dev:amd64 (13.2.0-23ubuntu4) ...
Setting up binutils-x86-64-linux-gnu (2.42-4ubuntu2) ...
Setting up gcc-13-x86-64-linux-gnu (13.2.0-23ubuntu4) ...
Setting up binutils (2.42-4ubuntu2) ...
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:~/Desktop$ nano cc.c
ubuntu@ubuntu:~/Desktop$ gcc cc.c
ubuntu@ubuntu:~/Desktop$ ./a.out
HELLO CC LAB
ubuntu@ubuntu:~/Desktop$
```

CC.C



```
GNU nano 7.2 cc.c
#include<stdio.h>
void main(){
printf("HELLO CC LAB\n");
}
^G Help      ^O Write Out ^W Where Is  ^K Cut      ^T Execute  ^C Location
^X Exit      ^R Read File ^J Replace  ^U Paste    ^_ Justify  ^_ Go To Line
[ Read 5 lines ]
```

RESULT:

Thus a virtual machine is configured using Virtual box and a simple C program is executed successfully.