REGISTER NO:210701509

Exp No: 3

VIRTUALIZATION
INSTALLATION OF VIRTUAL MACHINE IN VIRTUAL BOX

AIM:

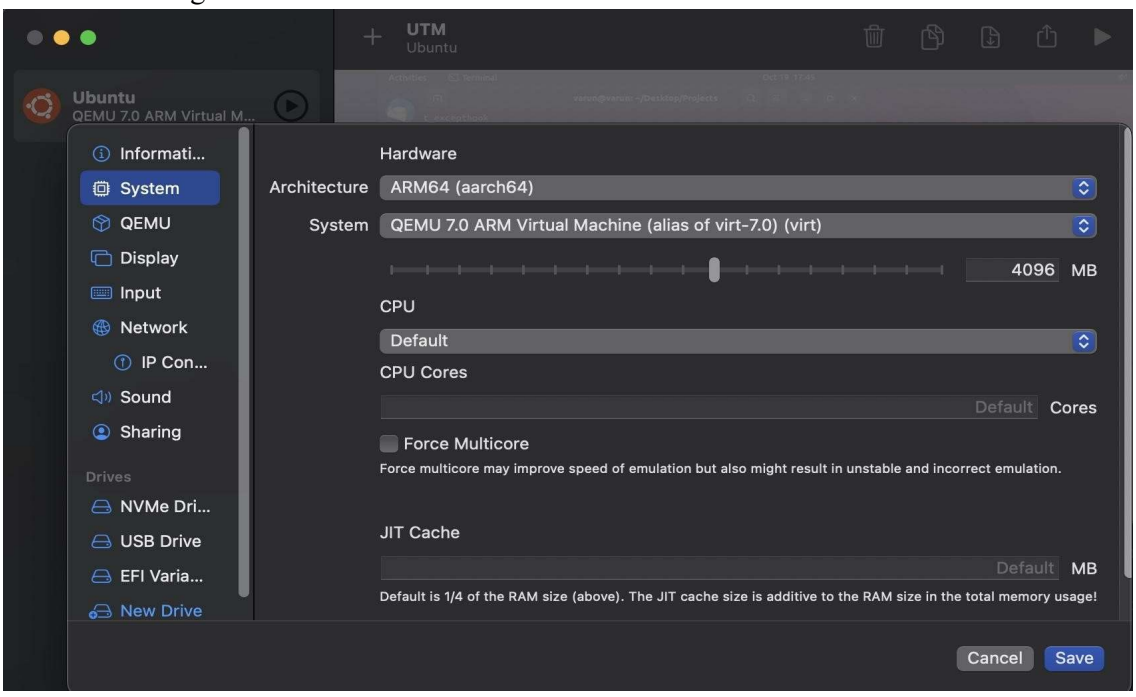
To configure a Virtual Machine using Virtual Box and Launch to execute a simple program using PYTHON.

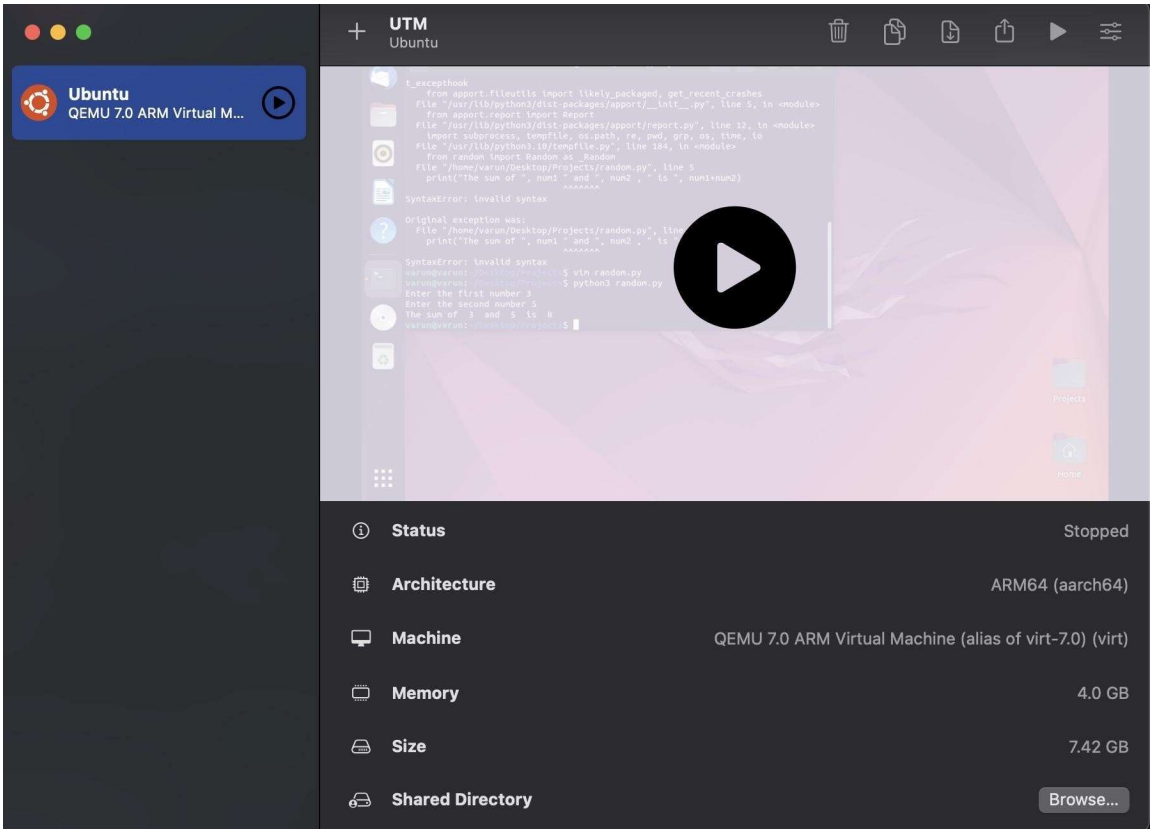
PROCEDURE:

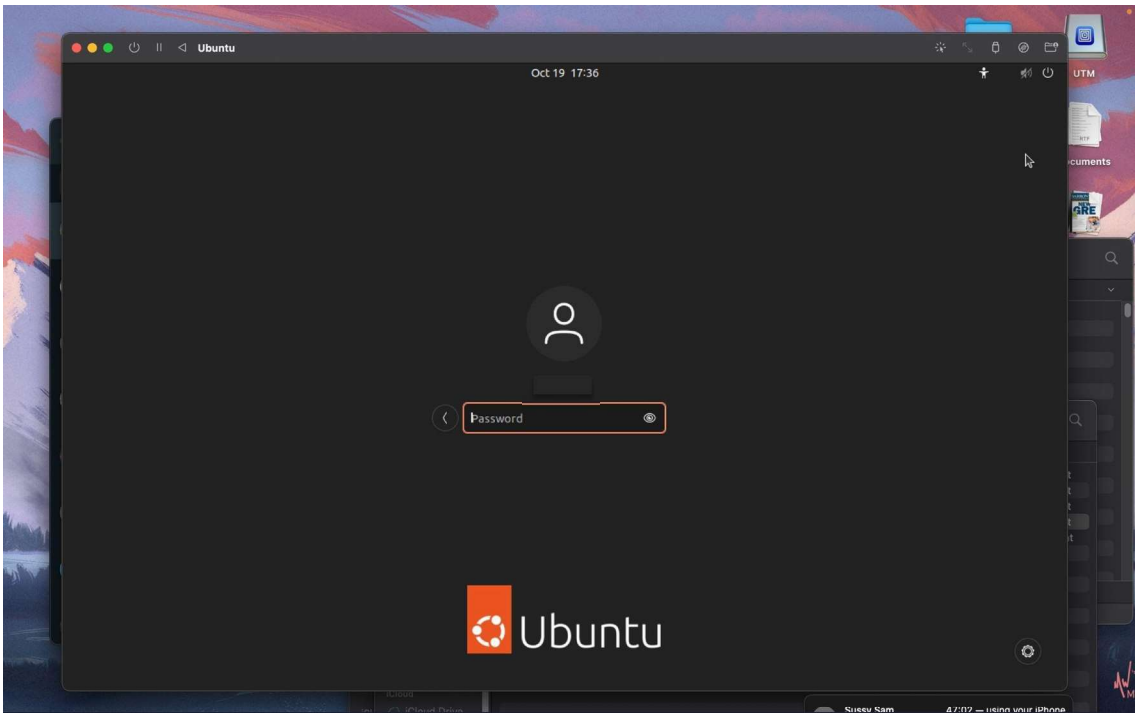
1. Launch aVirtual Box
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

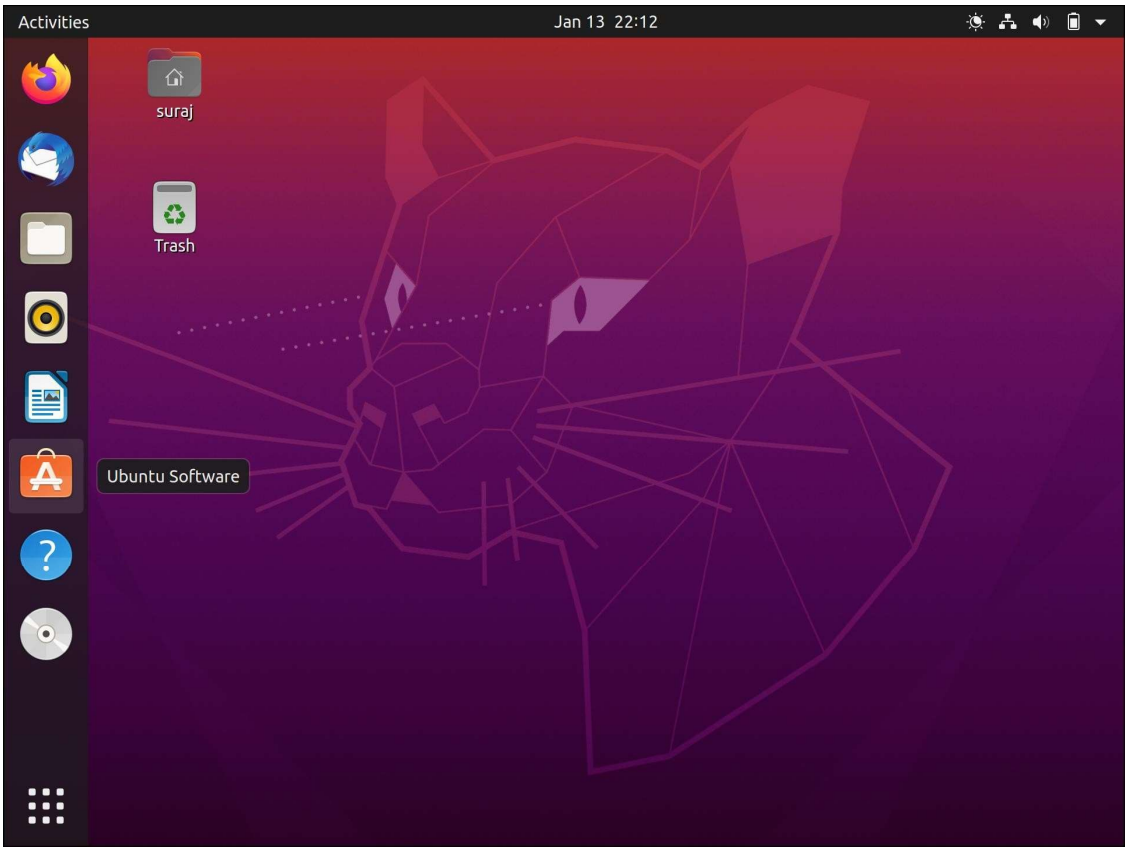
OUTPUT:

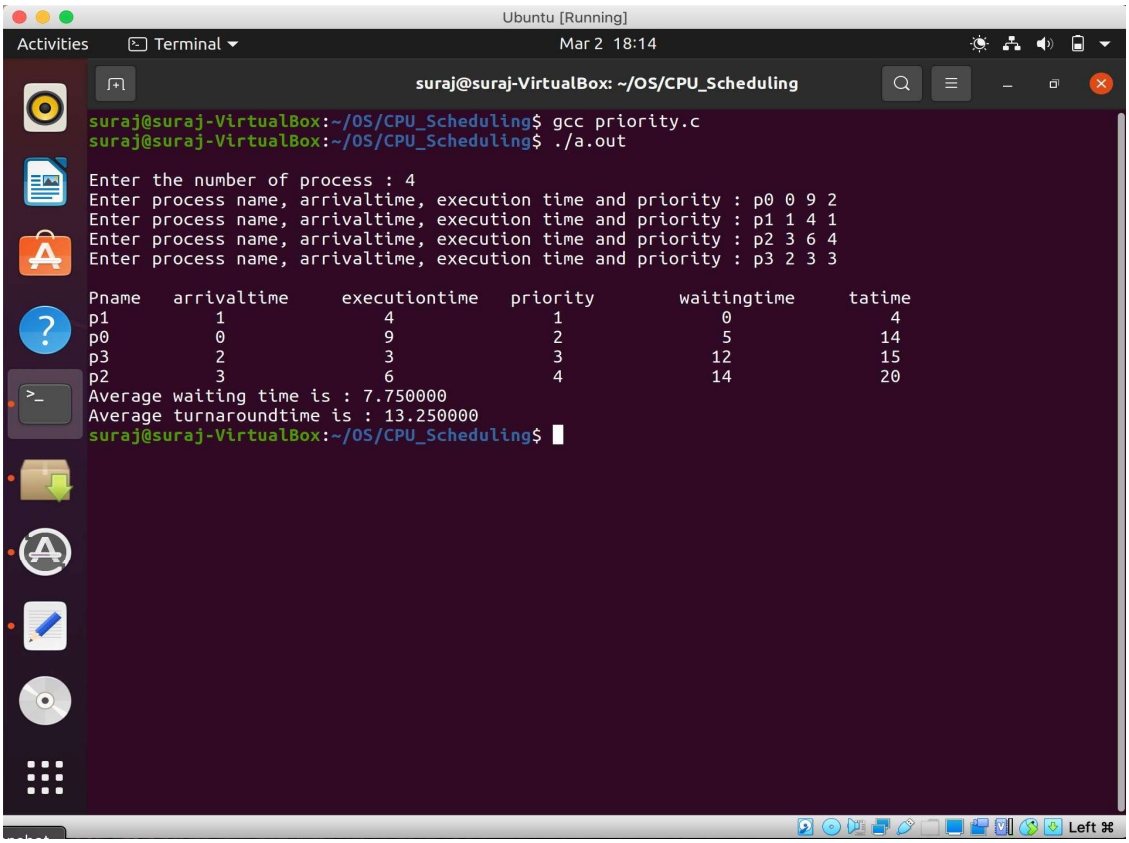
The virtual machine of Ubuntu OS was created using a virtual box. Ubuntu virtual machine running in Virtual Box.

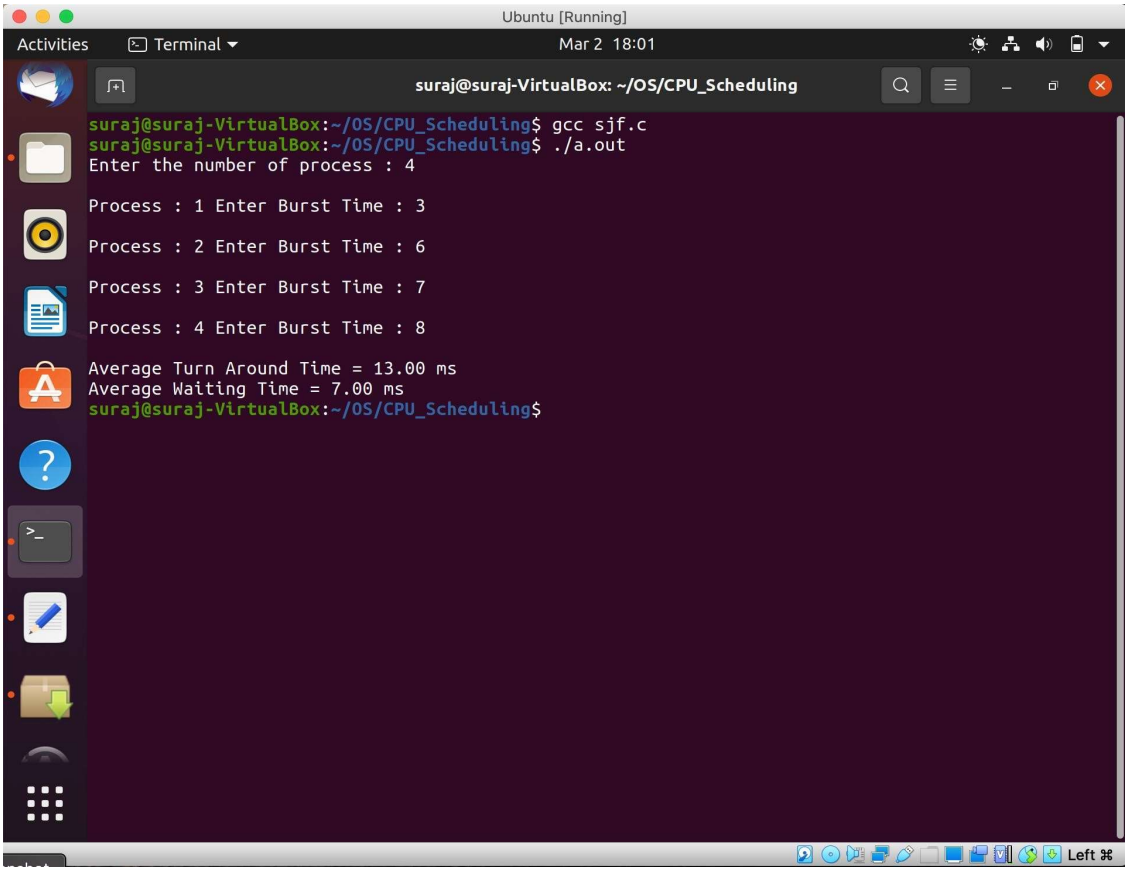



UTM
Ubuntu
Ubuntu
QEMU 7.0 ARM Virtual M...
Status
Stopped
Architecture
ARM64 (aarch64)
Machine
QEMU 7.0 ARM Virtual Machine (alias of virt-7.0) (virt)
Memory
4.0 GB
Size
7.42 GB
Shared Directory
Browse...


Ubuntu
Oct 19 17:36
Password
Ubuntu


Activities
Jan 13 22:12
suraj
Trash
Ubuntu Software


Ubuntu [Running]
Activities
Terminal
Mar 2 18:14
suraj@suraj-VirtualBox: ~/OS/CPU_Scheduling
suraj@suraj-VirtualBox:~/OS/CPU_Scheduling$ gcc priority.c
suraj@suraj-VirtualBox:~/OS/CPU_Scheduling$ ./a.out
Enter the number of process : 4
Enter process name, arrivaltime, execution time and priority : p0 0 9 2
Enter process name, arrivaltime, execution time and priority : p1 1 4 1
Enter process name, arrivaltime, execution time and priority : p2 3 6 4
Enter process name, arrivaltime, execution time and priority : p3 2 3 3
Pname arrivaltime executiontime priority waitingtime tatime
p1 1 4 1 0 4
p0 0 9 2 5 14
p3 2 3 3 12 15
p2 3 6 4 14 20
Average waiting time is : 7.750000
Average turnaroundtime is : 13.250000
suraj@suraj-VirtualBox:~/OS/CPU_Scheduling$
Left ⌘



RESULT:

The installation, configuration and running a python program in Ubuntu in Virtual Box has been executed successfully.