

VIRTUALIZATION

CONFIGURATION AND CREATION OF VIRTUAL MACHINE

AIM:

To configure a Virtual Machine using VMware and Launch the VM and execute a simple program using C/PYTHON/JAVA.

PROCEDURE:

1. Launch a VM ware
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:



New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

No drives available

☒ Installer disc image file (iso):

C:\Users\mannu\Downloads\ubuntu-24.04-desktop-am

Browse...

Ubuntu 64-bit 24.04 detected.

This operating system will use Easy Install. [What's this?](#)

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help

< Back

Next >

Cancel

New Virtual Machine Wizard

Easy Install Information

This is used to install Ubuntu 64-bit.

Personalize Linux

Full name:

Ubuntu

User name:

mannurushreeya148

Password:

.....

Confirm:

.....

Help

< Back

Next >

Cancel

New Virtual Machine Wizard

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

Ubuntu 64-bit

Location:

C:\Users\mannu\Documents\Virtual Machines\Ubuntu 64-bit

Browse...

The default location can be changed at Edit > Preferences.

< Back

Next >

Cancel

New Virtual Machine Wizard

Ready to Create Virtual Machine

Click Finish to create the virtual machine and start installing Ubuntu 64-bit and then VMware Tools.

The virtual machine will be created with the following settings:

Name:

Ubuntu 64-bit

Location:

C:\Users\mannu\Documents\Virtual Machines\Ubuntu 64-bit

Version:

Workstation 17.5.x

Operating System:

Ubuntu 64-bit

Hard Disk:

20 GB, Split

Memory:

4096 MB

Network Adapter:

NAT

Other Devices:

2 CPU cores, CD/DVD, USB Controller, Sound Card

Customize Hardware...

☒ Power on this virtual machine after creation

< Back

Finish

Cancel

Program:

```
ubuntu@ubuntu: ~/Desktop
base = int(input("Enter the base value: "))
power = int(input("Enter the power value: "))
print("The power ",power," of base ",base," is: ",base**power)
~
~
~
~
~
~
~
~
~
```

Output:

```
ubuntu@ubuntu:~/Desktop$ vi welcome.py
ubuntu@ubuntu:~/Desktop$ python3 welcome.py
Enter the base value: 2
Enter the power value: 5
The power 5 of base 2 is: 32
```

RESULT:

Thus the configuration of virtual machine using VMware and execute simple java program has been completed successfully.