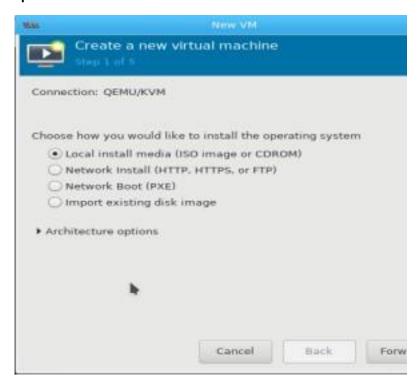
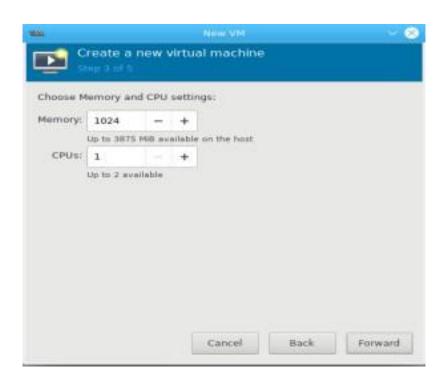
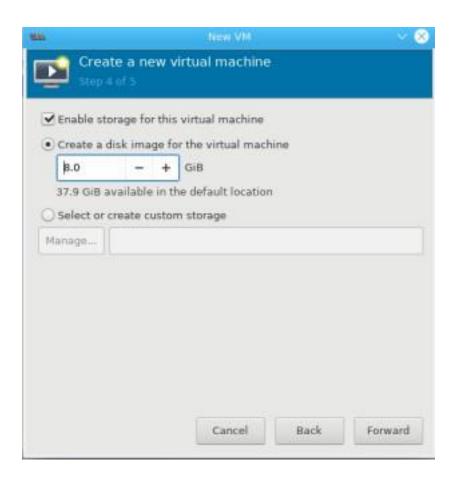
## Harsha Vardhinii.T 230701109 Ex No: 1a)

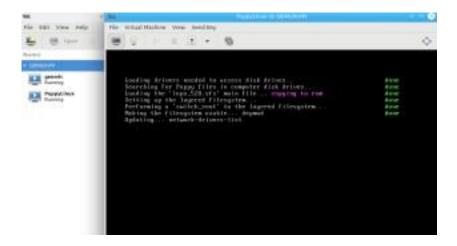
EX NO. 1a)
INSTALLATION AND CONFIGURATION OF LINUX
Aim:
To install and configure Linux operating system in a Virtual Machine.
Installation/Configuration Steps:
1. Install the required packages for virtualization dnf install xen virt-manager qemu libvirt
2. Configure xend to start up on boot systemctl enable virt-manager.service
3. Reboot the machine Reboot
4. Create Virtual machine by first running virt-manager virt-manager &
5. Click on File and then click to connect to localhost
6. In the base menu, right click on the localhost(QEMU) to create a new VM 7. Select Linux ISO image
8. Choose puppy-linux.iso then kernel version
9. Select CPU and RAM limits
10. Create default disk image to 8 GB
11. Click finish for creating the new VM with PuppyLinux

#### **Output:**









### Ex No: 1b)

#### **BASIC LINUX COMMANDS**

#### Aim:

To study and execute basic Unix commands related to date, echo, calendar, users, directories, file handling, filters, and process management.

# Program:# Display current date and time\$ date

# Display month only

\$ date +%m

# Print a message on the screen

\$ echo "God is Great"

# Show calendar for January 2012

\$ cal Jan 2012

# Use calculator

\$ bc -l

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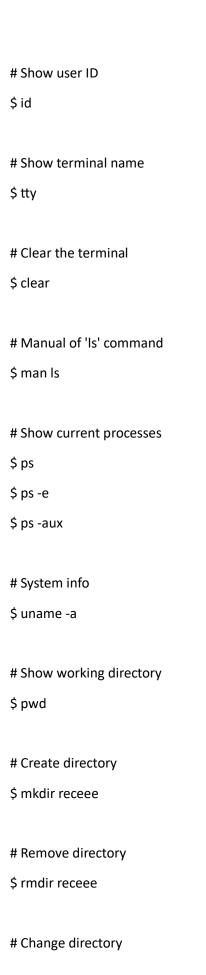
5/2

# Show who is logged in

\$ who

# Show current user

\$ who am i



\$ cd receee
# List files
\$ Is
\$ Is -I
\$ Is -a
# Create a file
\$ cat > rec
(Enter contents and press Ctrl+D)
# Display file contents
\$ cat rec
# Copy file
\$ cp rec copyfile
# Domessa file
# Remove file \$ rm copyfile
этт соруше
# Move file
\$ mv rec movedrec
# Find file type
\$ file movedrec
# Count lines, words, characters
\$ wc movedrec
# Redirect output to file
\$ ls > listfile

```
# Pipe example
$ who | wc -l
# Tee command
$ who | tee userlist | wc -l
# Use metacharacters
$ Is r*
$ Is ?kkk
$ Is [a-m]*
$ Is [!a-m]*
# File permissions
$ Is -I college
# Change permissions using chmod
$ chmod u-wx college
$ chmod u+rw, g+rw college
$ chmod g=wx college
# Change permissions using octal
$ chmod 761 college
# Grouping commands
$ who; date
$ who && date
$ who || date
# Filters
```

\$ head college



\$ Is

college student movedrec

\$ wc movedrec

10 25 132 movedrec

\$ chmod 761 college

# Sets permission: -rwxrw--x