RAJALAKSHMI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE LAB MANUAL

CS23431 – OPERATING SYSTEMS

(REGULATION 2023)

RAJALAKSHMI ENGINEERING COLLEGE

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Year / Branch / Section: 2nd / AI&DS / FB Semester: IV

Academic Year: 2024 - 2025

INDEX

Ex No: 1a Date:
21/1/25

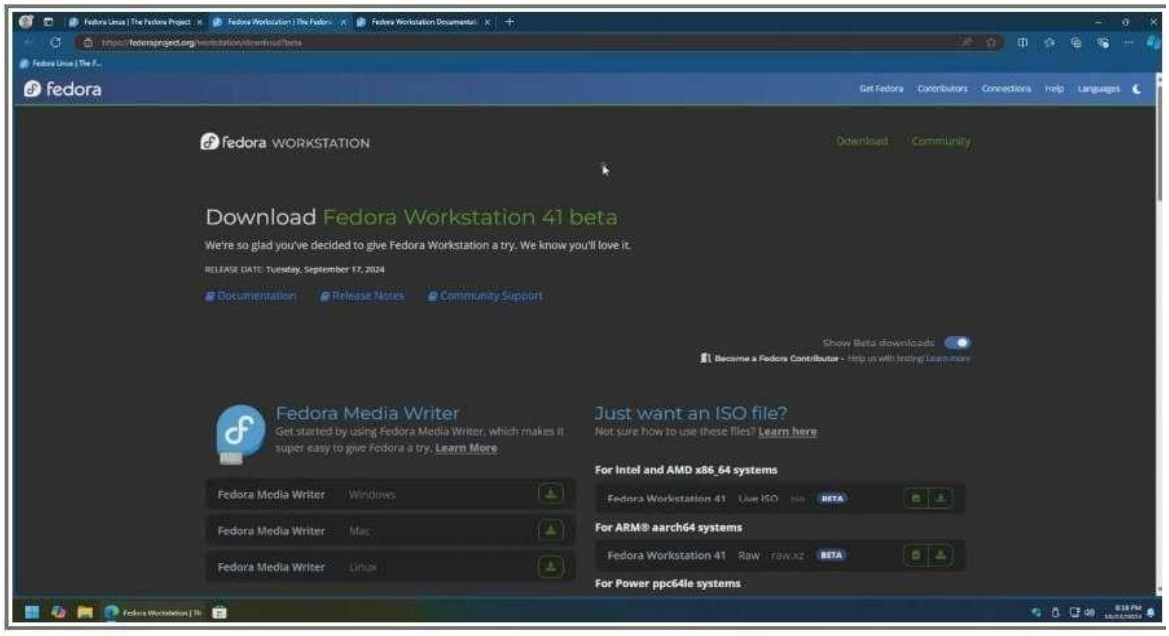
INSTALLATION AND CONFIGURATION OF LINUX

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 a 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 the kernel version
9. Select CPU and RAM limits
10. Create default disk image to 8 GB
11. Click finish to create the new VM with PuppyLinux.



OUTPUT:

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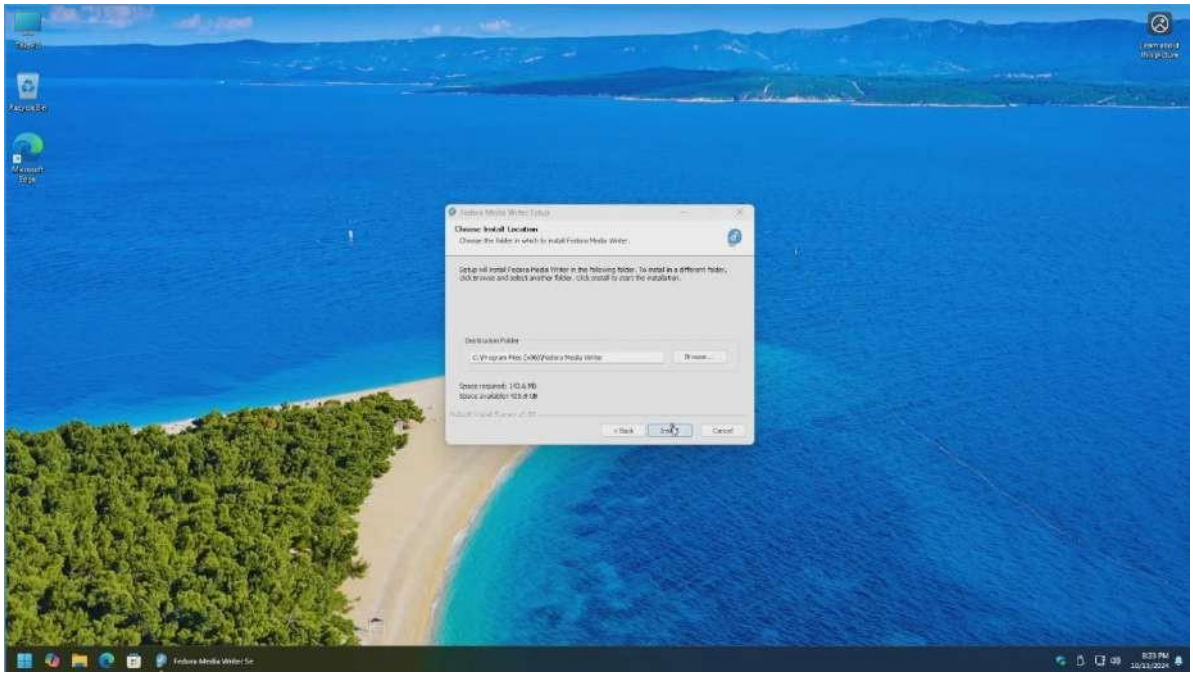

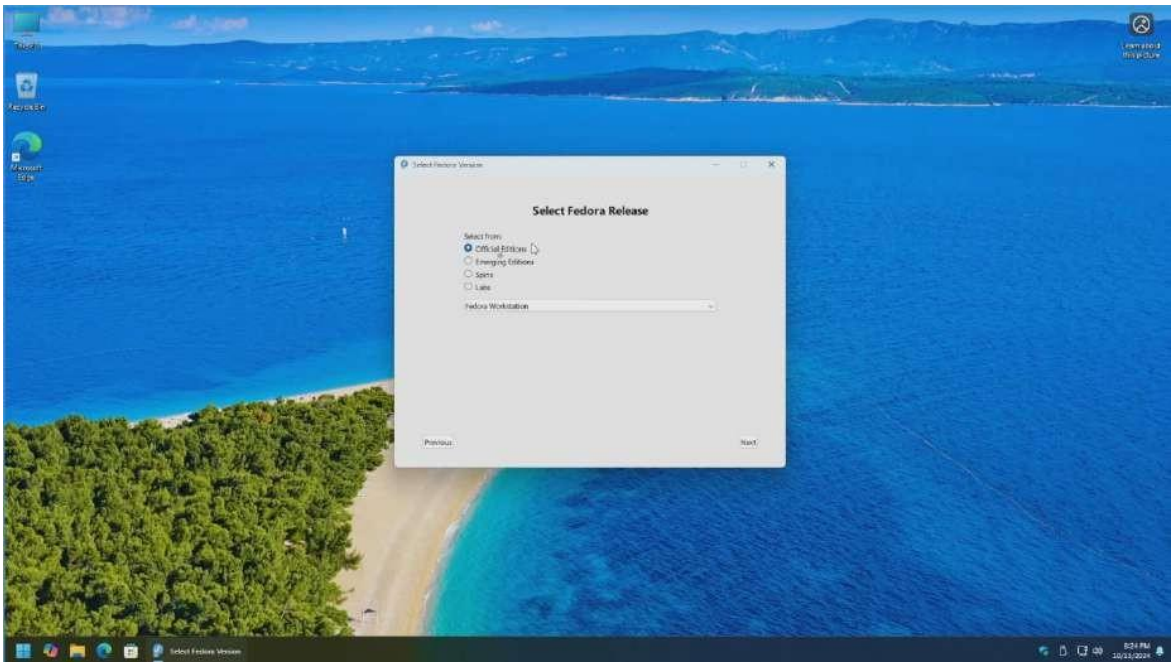

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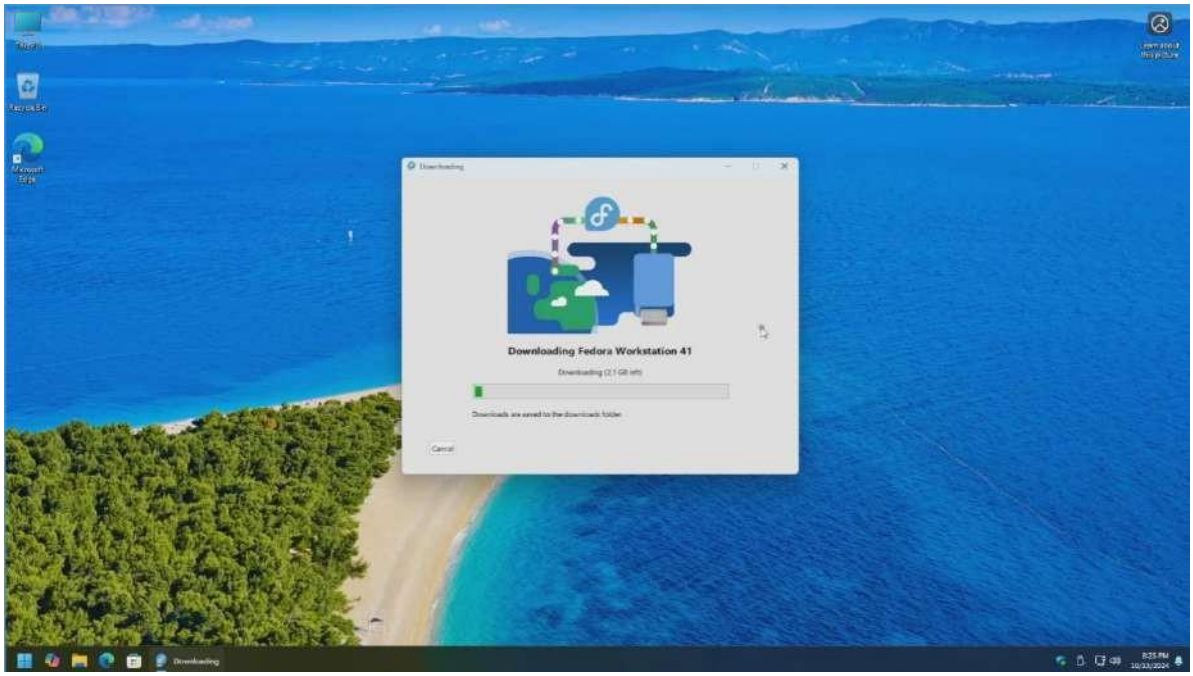

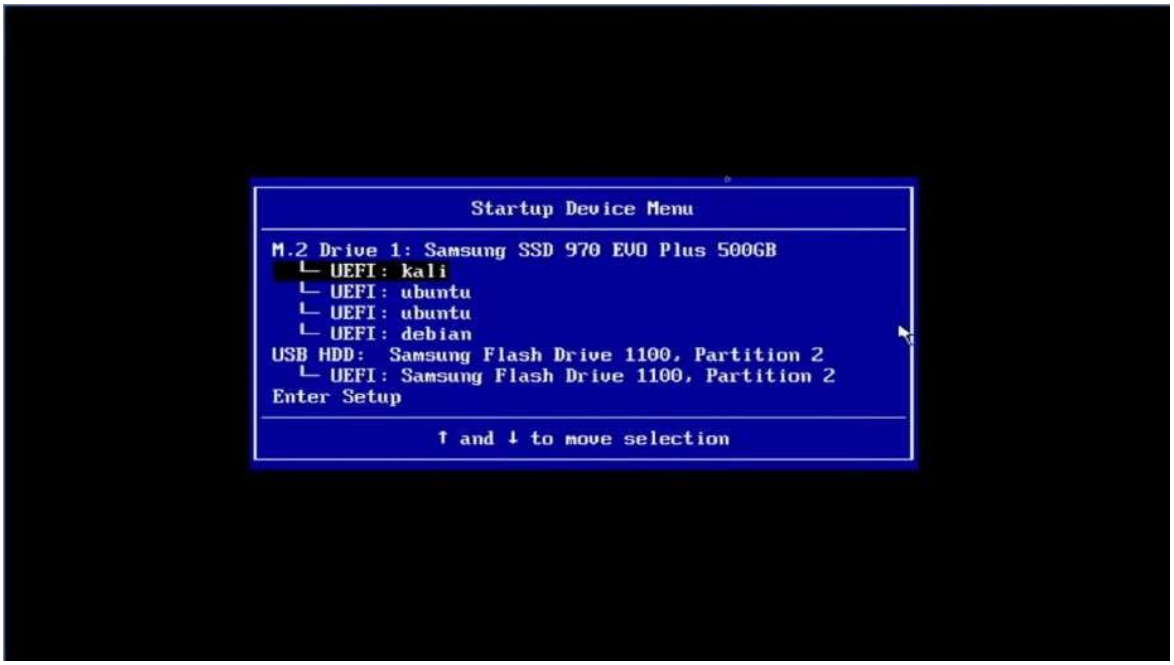

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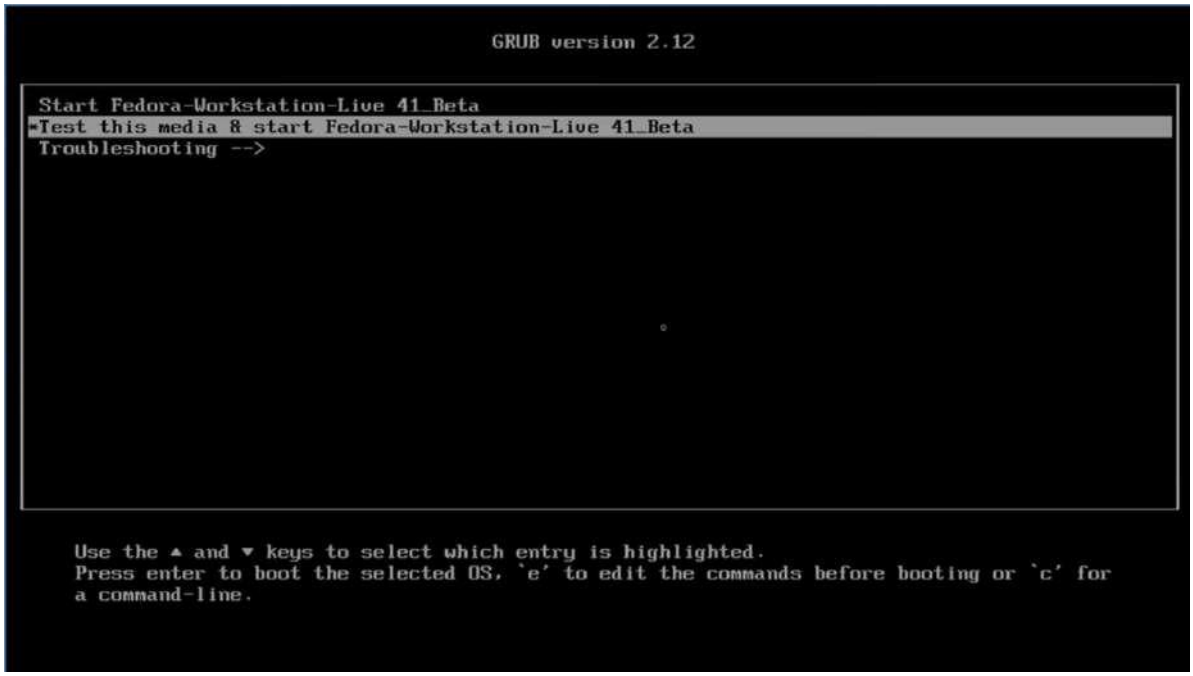

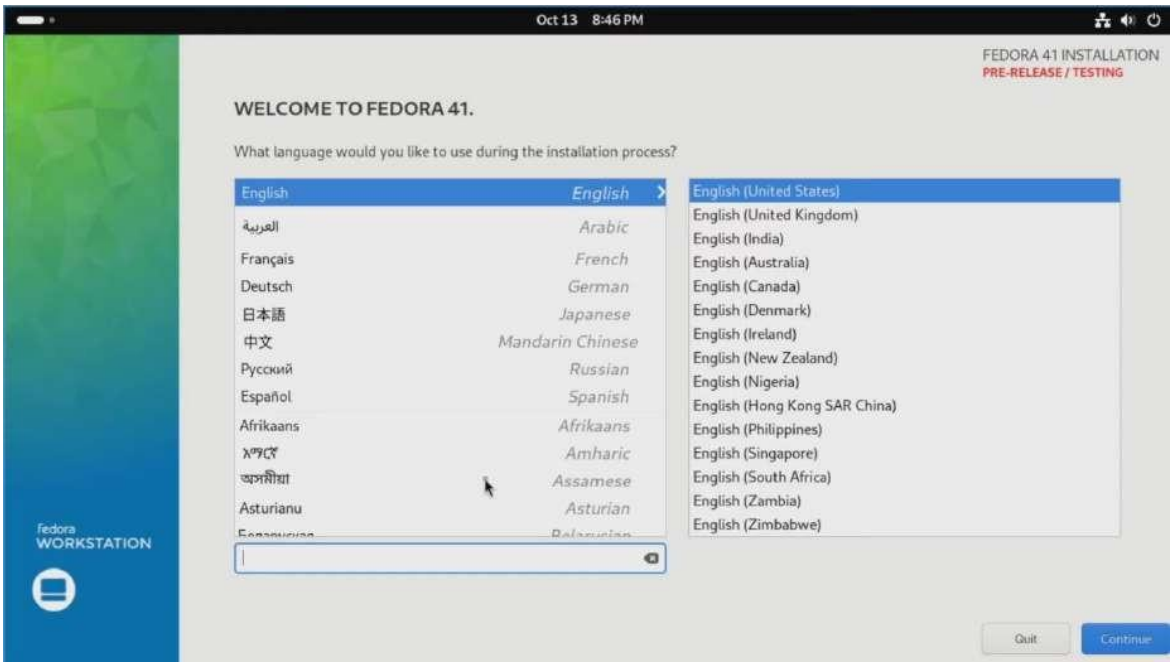

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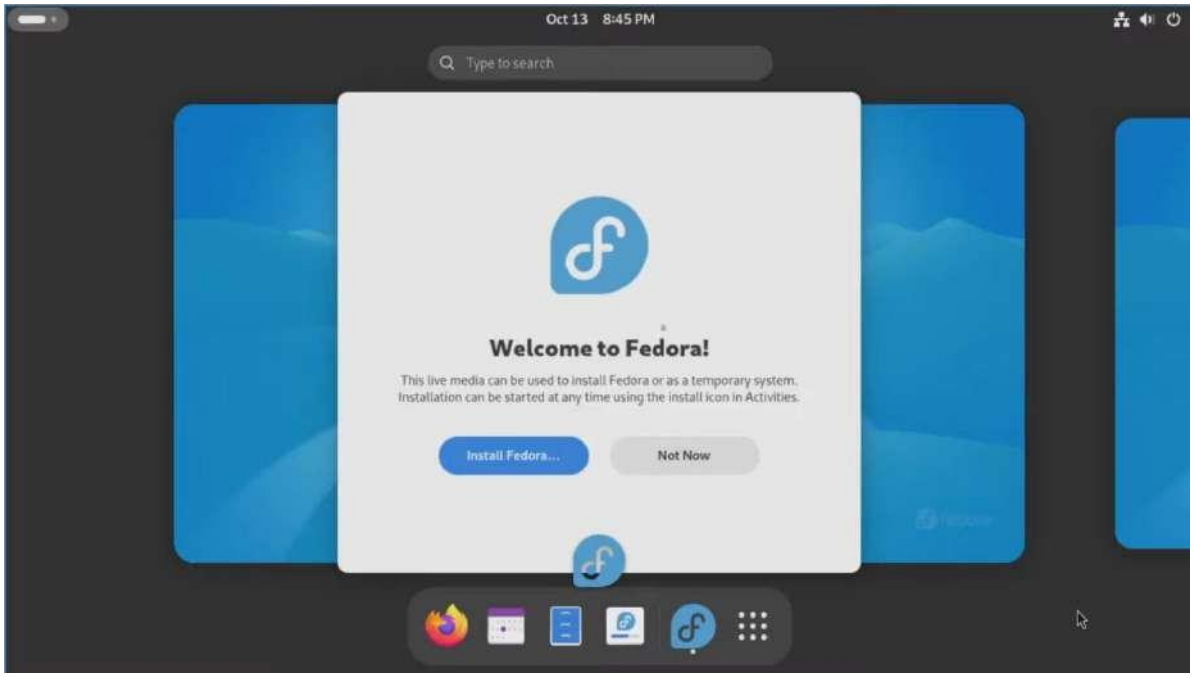

RESULT:

The Linux OS is Installed and Configured.

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