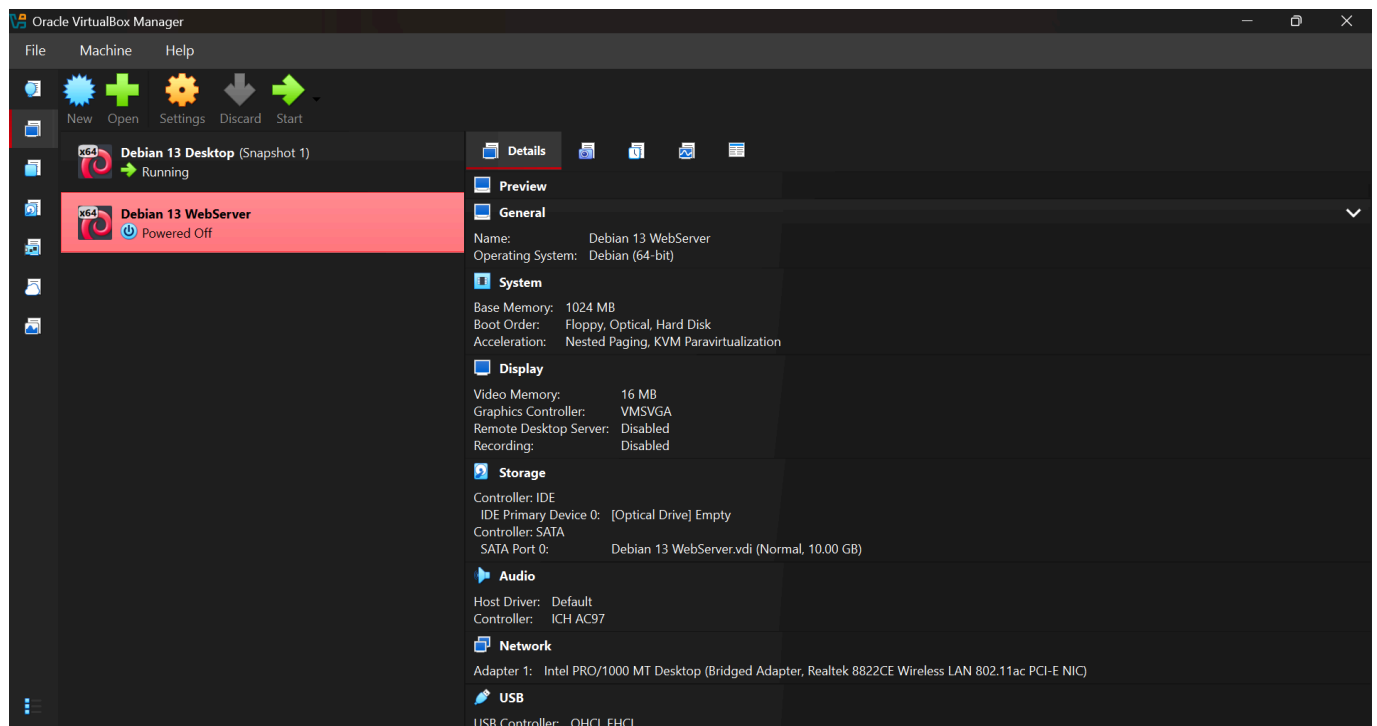


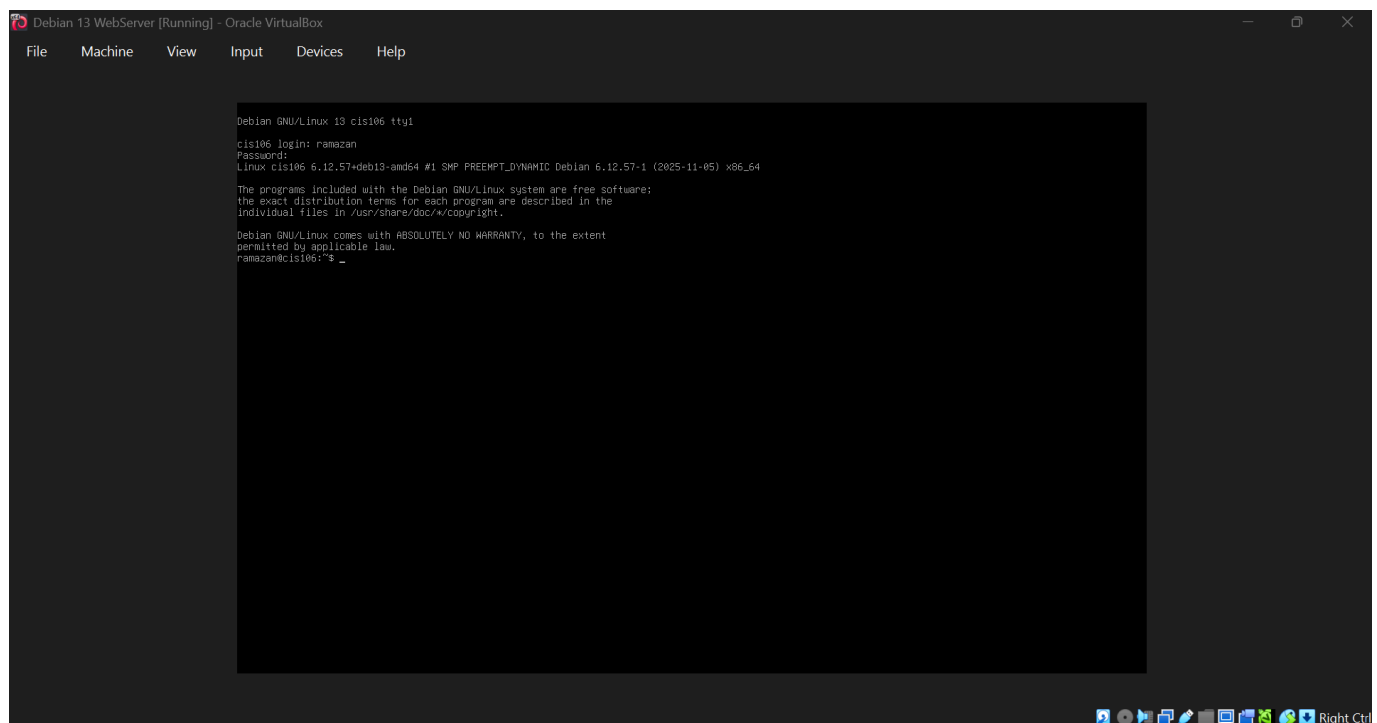
Deliverable 2

Questions

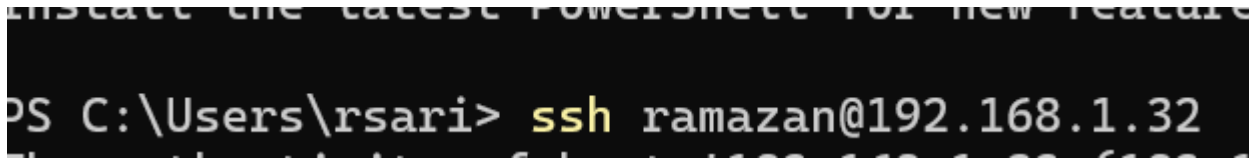
1. What are the server hardware specifications (virtual machine settings)?



2. What is the Debian Login Screen?



3. What is the IP address of your Debian Server Virtual Machine?



4. How do you work with the Firewall in Debian?

- Working with Firewall in Debian
 - Description: A user-friendly interface for managing iptables firewall rules in Debian and other Linux distributions.
 - Formula/Syntax: `sudo ufw [options] [rule]`
- Examples:

1. How do you check if the Firewall is running?

- Command: `sudo ufw status`
- Explanation: Shows firewall status (active/inactive) and current rules.

2. How do you disable the Firewall?

- Command: `sudo ufw disable`
- Explanation: Stops the firewall and prevents it from starting at boot.

3. How do you add Apache to the Firewall?

- Command: `sudo ufw allow 'Apache Full'`
- Explanation: Allows traffic on both HTTP (port 80) and HTTPS (port 443) for Apache.

5. What different commands do we use to work with Apache?

1. Check if Apache is running:
 - Command: ``sudo systemctl status apache2``
2. Stop Apache:
 - Command: ``sudo systemctl stop apache2``
3. Restart Apache:
 - Command: ``sudo systemctl restart apache2``
4. Test Apache configuration:
 - Command: ``sudo apache2ctl configtest``
5. Check installed Apache version:
 - Command: ``apache2 -v``
6. Common Apache configuration files:
 - ``/etc/apache2/apache2.conf`` (Main config)
 - ``/etc/apache2/sites-available/`` (Virtual host configurations)
 - ``/etc/apache2/conf-available/`` (Additional configurations)
7. Apache log locations:
 - Access logs: ``/var/log/apache/access.log``
 - Error logs: ``/var/log/apache2/error.log``
8. Basic log review commands:
 - ``sudo tail -f /var/log/apache2/access.log`` (Real-time monitoring)

- ``sudo grep "ERROR" /var/log/apache2/error.log`` (Filter errors)
- ``sudo less /var/log/apache2/error.log`` (Page-by-page viewing)