

IT-08-A-CySecurityDay04/Assign...

https://github.c...

1. Create a file named test.txt.  
2. Write your name inside the file.  
3. Display the content of the file. (cat)  
4. Rename test.txt to linux\_test.txt.  
5. Delete the file.

**Q4: Copy & Move**  
1. Create a directory called backup.  
2. Copy any text file into the backup directory.  
3. Move the file back to the home directory.

**Q5: User & System Information**  
1. Display the current logged-in user.  
2. Show system hostname.

**Q6: Package Management**  
1. Update the package list.  
2. Install tree package.  
3. Use tree command in home directory.  
4. Remove the tree package.

**Q7: Networking Commands**  
1. Check IP address.  
2. Check network interfaces.  
3. Ping Google (4 packets only).

Ubuntu - VMware Workstation

File Edit View VM Tabs Help

Library

My Computer

Ubuntu

Ubuntu2

Activities

Terminal

Dec 13 10:44

sunbeam@cyber: -

6: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?  
sunbeam@cyber:~\$ cd  
sunbeam@cyber:~\$ tree

Desktop  
Documents  
Downloads  
Desktop  
sunlit.txt  
home  
linux\_test.txt  
linux\_lab  
docs  
scripts  
LibreOffice Writer .xt  
music  
Pictures  
Screenshots  
Screenshot From 2025-12-13 10-00-54.png  
Public  
snap  
snapd-desktop-integration  
178  
Desktop  
Documents  
Downloads  
Music  
Pictures  
Public  
Templates  
Videos  
common  
current -> 178  
Templates  
text.txt  
Videos

26 directories, 6 files  
sunbeam@cyber:~\$ rm -rf tree  
sunbeam@cyber:~\$

To direct input to this VM, click inside or press Ctrl+G.

17°C  
Sunny

Search

ENG  
IN

10:44:05  
13-12-2025

IT-08-A-CySecurity/Day04/Assign...  
https://github.c...  
4. Check system uptime, uptime

### Q6: Package Management

1. Update the package list.
2. Install (trial) package.
3. Use `tree` command in home directory.
4. Remove the `tree` package.

### Q7: Networking Commands

1. Check IP address.
2. Check network interfaces.
3. Ping Google (4 packets only).

Ubuntu - VMware Workstation  
File Edit View VM Tabs Help  
Library  
Type here to search  
My Computer  
Ubuntu  
Ubuntu2

Activities Terminal  
Dec 13 10:46  
sunbeam@cyber: -

```
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
    valid_lft forever preferred_lft forever
Thunderbird Mail ICAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:f7:93:74 brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.206.128/24 brd 192.168.206.255 scope global dynamic noprefixroute ens33
        valid_lft 1672sec preferred_lft 1672sec
    inet6 fe80::c03c:6dfe:fdc0:b726/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
sunbeam@cyber:~$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.206.128 netmask 255.255.255.0 broadcast 192.168.206.255
    inet6 fe80::c03c:6dfe:fdc0:b726 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:f7:93:74 txqueuelen 1000 (Ethernet)
    RX packets 635483 bytes 806231087 (806.2 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 203210 bytes 12265810 (12.2 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 212 bytes 23214 (23.2 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 212 bytes 23214 (23.2 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

sunbeam@cyber:~$ ping google.com
PING google.com (142.250.192.46) 56(84) bytes of data:
64 bytes from bom12s15-ln-f14.1e100.net (142.250.192.46): icmp_seq=1 ttl=128 time=39.7 ms
64 bytes from bom12s15-ln-f14.1e100.net (142.250.192.46): icmp_seq=2 ttl=128 time=106 ms
64 bytes from bom12s15-ln-f14.1e100.net (142.250.192.46): icmp_seq=3 ttl=128 time=34.0 ms
64 bytes from bom12s15-ln-f14.1e100.net (142.250.192.46): icmp_seq=4 ttl=128 time=41.0 ms
^C
--- google.com ping statistics ---
 4 packets transmitted, 4 received, 0% packet loss, time 3007ms
 rtt min/avg/max/mdev = 34.067/55.420/106.178/29.442 ms
sunbeam@cyber:~$
```

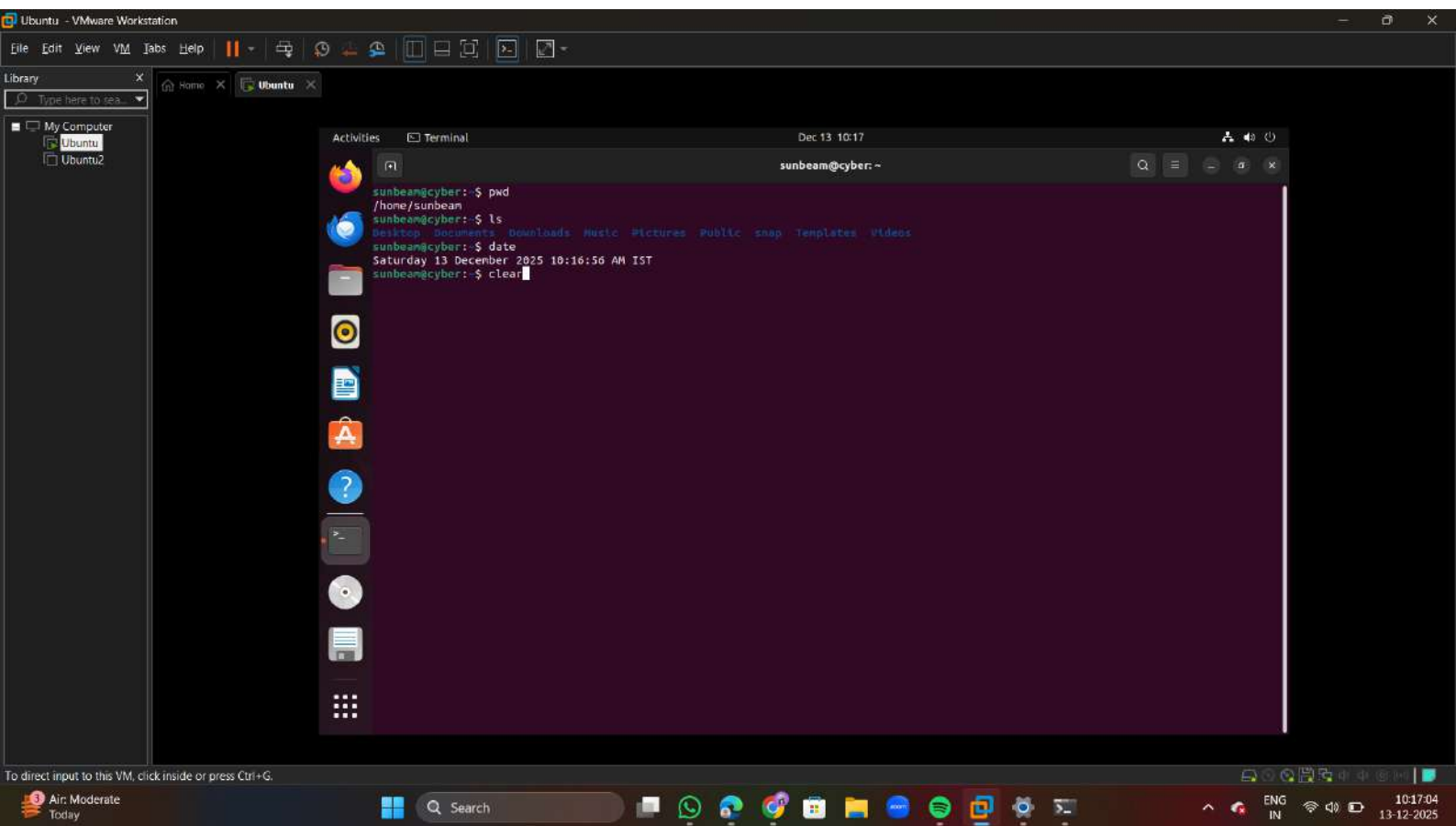
To direct input to this VM, click inside or press Ctrl+G.

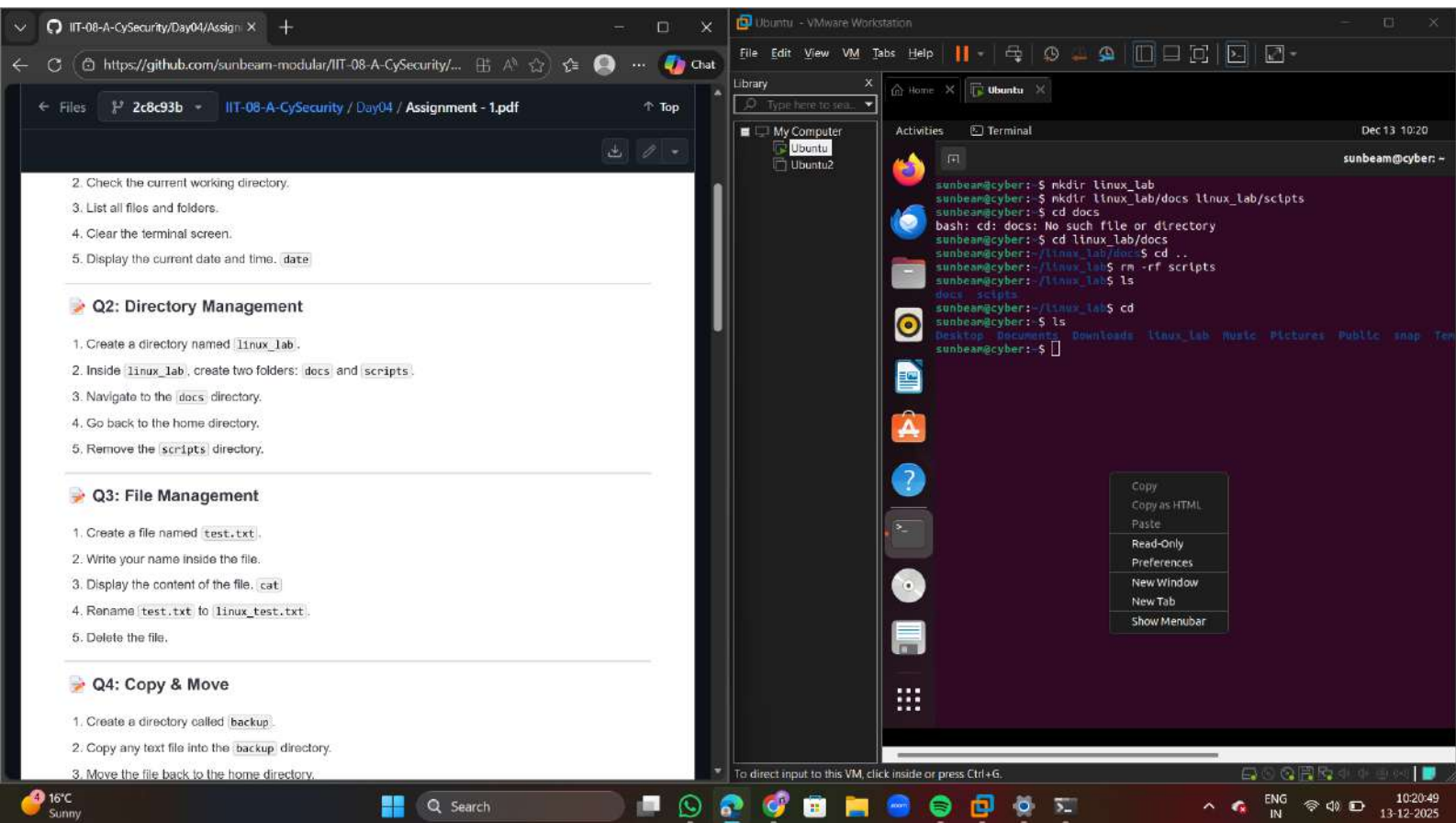
17°C  
Sunny

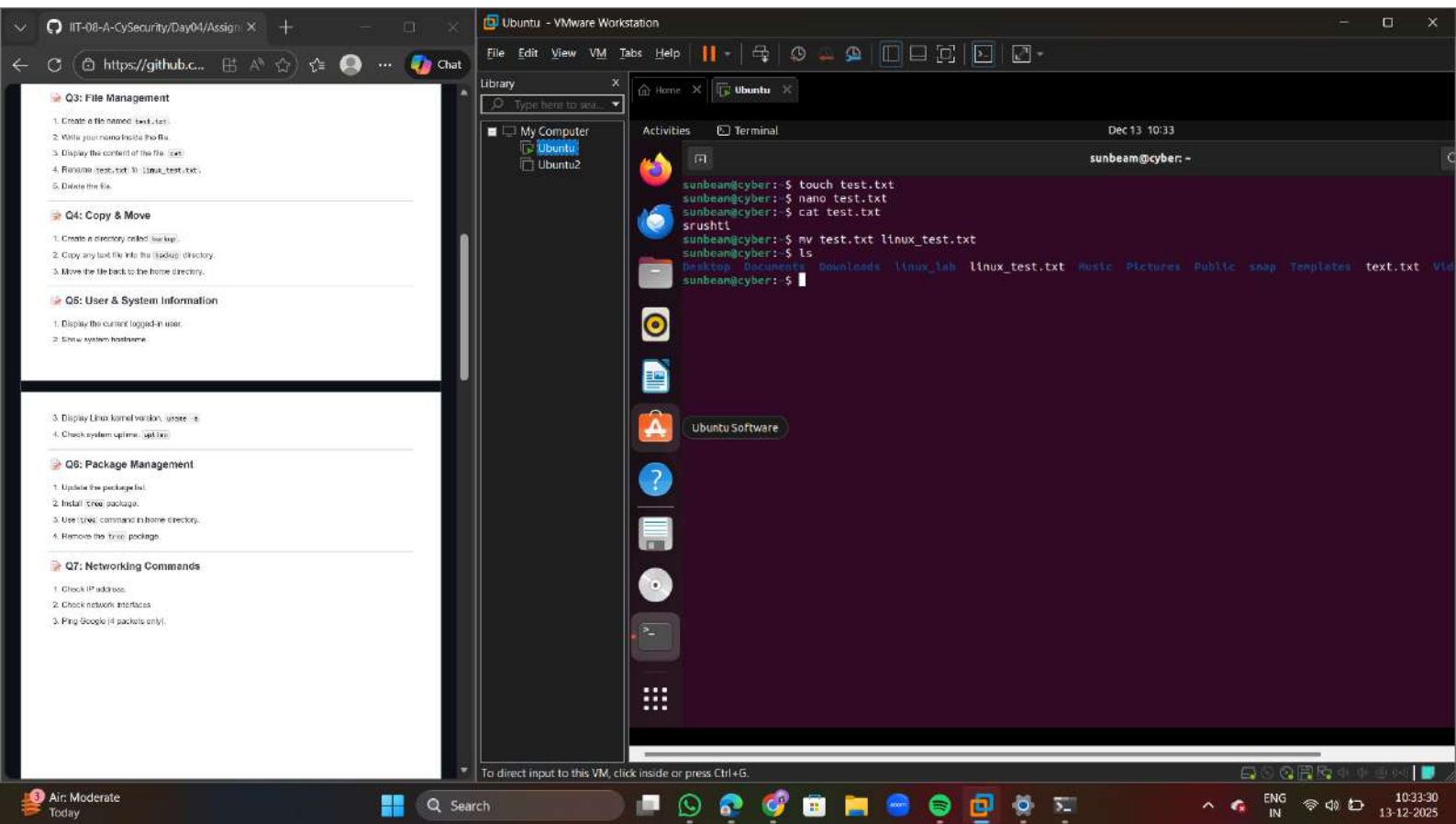
Search

ENG  
IN

10:46:06  
13-12-2025







IT-08-A-CySecurity/Day04/Assign...

https://github.c...

1. Create a file named test.txt.  
2. Write your name inside the file.  
3. Display the content of the file. (cat)  
4. Rename test.txt to linux\_test.txt.  
5. Delete the file.

**Q4: Copy & Move**  
1. Create a directory called backup.  
2. Copy any text file into the backup directory.  
3. Move the file back to the home directory.

**Q5: User & System Information**  
1. Display the current logged-in user.  
2. Show system hostname.

**Q6: Package Management**  
1. Update the package list.  
2. Install `tree` package.  
3. Use `tree` command in home directory.  
4. Remove the `tree` package.

**Q7: Networking Commands**  
1. Check IP address.  
2. Check network interfaces.  
3. Ping Google (4 packets only).

Ubuntu - VMware Workstation

File Edit View VM Tabs Help

Library  
Type here to search  
My Computer  
Ubuntu  
Ubuntu2

Activities Terminal  
Dec 13 10:37  
sunbeam@cyber: -

```
sunbeam@cyber:~$ mkdir backup
sunbeam@cyber:~$ ls
backup Desktop Documents linux_lab linux_test.txt Music Pictures Public snap Templates text.tx
sunbeam@cyber:~$ cp linux_test.txt backup/
sunbeam@cyber:~$ mv backup home/
sunbeam@cyber:~$ ls
Desktop Documents Downloads home linux_lab linux_test.txt Music Pictures Public snap Templates text.tx
sunbeam@cyber:~$
```

To direct input to this VM, click inside or press Ctrl+G.

Air, Moderate Today

Search

ENG IN 10:37-14 13-12-2025

IT-08-A-CySecurity/Day04/Assign...

https://github.c...

1. Create a file named test.txt.  
2. Write your name inside the file.  
3. Display the content of the file. (cat)  
4. Rename test.txt to Linux\_test.txt.  
5. Delete the file.

**Q4: Copy & Move**  
1. Create a directory called backup.  
2. Copy any text file into the backup directory.  
3. Move the file back to the home directory.

**Q5: User & System Information**  
1. Display the current logged-in user.  
2. Show system hostname.

3. Display Linux kernel version. (uname -a)  
4. Check system uptime. (uptime)

**Q6: Package Management**  
1. Update the package list.  
2. Install (tree) package.  
3. Use tree command in home directory.  
4. Remove the tree package.

**Q7: Networking Commands**  
1. Check IP address.  
2. Check network interfaces.  
3. Ping Google (4 packets only).

Ubuntu - VMware Workstation

File Edit View VM Tabs Help

Library

My Computer  
Ubuntu  
Ubuntu2

Activities Terminal

Dec 13 10:39

sunbeam@cyber: -

sunbeam@cyber:~\$ whoami  
sunbeam@cyber:~\$ whoami  
Command 'whoami' not found, did you mean:  
command 'whoami' from deb coreutils (8.32-4.1ubuntu1.2)  
command 'whom' from deb mailutils-nh (1:3.14-1)  
command 'whom' from deb nmh (0.4-4)  
command 'whom' from deb nmh (1.7.1-11)  
Try: sudo apt install <deb name>  
sunbeam@cyber:~\$ whoami  
sunbeam  
sunbeam@cyber:~\$ hostname  
cyber  
sunbeam@cyber:~\$ uname -a  
Command 'uname' not found, did you mean:  
command 'uname' from deb coreutils (8.32-4.1ubuntu1.2)  
Try: sudo apt install <deb name>  
sunbeam@cyber:~\$ uname -a  
Linux cyber 5.8.0-40-generic #40~22.04.3-Ubuntu SMP PREEMPT\_DYNAMIC Tue Jul 30 17:30:19 UTC 2 x86\_64 x86\_64 x86\_64 GNU/Linux  
sunbeam@cyber:~\$ uptime  
10:39:40 up 41 min, 1 user, load average: 1.31, 1.06, 0.61  
sunbeam@cyber:~\$

To direct input to this VM, click inside or press Ctrl+G.

17°C Sunny

Search

ENG IN

10:39:39 13-12-2025