

Task 9: Environment and Disk Report

1. Create the script file

```
nano env_disk_report.sh
```

2. Paste the following content into the editor, then save and exit:

```
#!/bin/bash
```

```
REPORT="env_disk_report.txt"
```

```
echo "==== System Information Report =====" > $REPORT
```

```
echo "User: $(whoami)" >> $REPORT
```

```
echo "Hostname: $(hostname)" >> $REPORT
```

```
echo "Uptime: $(uptime -p)" >> $REPORT
```

```
echo -e "\n==== Mounted Filesystems and Usage =====" >> $REPORT
```

```
df -h >> $REPORT
```

```
echo -e "\n==== Environment Variables (PATH & SHELL) =====" >> $REPORT
```

```
echo "PATH: $PATH" >> $REPORT
```

```
echo "SHELL: $SHELL" >> $REPORT
```

3. Make the script executable

```
chmod +x env_disk_report.sh
```

4. Run the script

```
./env_disk_report.sh
```

5. View the report

```
cat env_disk_report.txt
```

```
└─$ chmod +x env_disk_report.sh

(oxydevil@node1)~$ ./env_disk_report.sh

Report saved to env_disk_report.txt

(oxydevil@node1)~$ cat env_disk_report.txt
System Report - Mon Jul 28 09:29:48 IST 2025

User, Hostname, and Uptime:
User: oxydevil
Hostname: node1.mylab.local
Uptime: up 1 hour, 30 minutes

Mounted Filesystems and Disk Usage:
Filesystem      Size  Used Avail Use% Mounted on
udev            1.9G   0    1.9G   0% /dev
tmpfs           392M  1.3M  391M   1% /run
/dev/vda2       28G   16G   11G  59% /
tmpfs           2.0G   0    2.0G   0% /dev/shm
efivarfs        256K   30K  227K  12% /sys/firmware/efi/efivars
tmpfs           5.0M   0    5.0M   0% /run/lock
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-journald.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-udev-load-credentials.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev-early.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-sysctl.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup-dev.service
tmpfs           2.0G   8.0K  2.0G   1% /tmp
/dev/vda1       512M  168K  512M   1% /boot/efi
tmpfs           1.0M   0    1.0M   0% /run/credentials/systemd-tmpfiles-setup.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/getty@tty1.service
tmpfs           1.0M   0    1.0M   0% /run/credentials/serial-getty@ttyAMA0.service
tmpfs           392M  120K  392M   1% /run/user/1000

Environment Variables:
PATH: /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/games:/usr/games
SHELL: /usr/bin/zsh
```