

LINUX PROGRAMMING LAB

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SIMPLE SCRIPTS TO TRY:

sl command

[illegible]

rev, factor, yes commands

```
anandaveeryan@anandaveeryan-HP-EliteBook-8470p: ~/Desktop
File Edit View Search Terminal Help
anandaveeryan@anandaveeryan-HP-EliteBook-8470p:~/Desktop$ rev content.txt
4-nwodkcoL 9l-divoC
anandaveeryan@anandaveeryan-HP-EliteBook-8470p:~/Desktop$
```

```
anandaveeryan@anandaveeryan-HP-EliteBook-8470p:~/Desktop$ factor 98
98: 2 7 7
anandaveeryan@anandaveeryan-HP-EliteBook-8470p:~/Desktop$ factor 25
25: 5 5
anandaveeryan@anandaveeryan-HP-EliteBook-8470p:~/Desktop$
```

[illegible]

HOT Question:

Write a bash shell script to monitor the health of your system. Let the details be stored and archived in any folder of your choice.

SCRIPT:

```
#!/usr/bin/env bash
```

```
collectl --all | head -n 10 > health_of_system.txt
```

```
tar -cvf 'health_of_system.tar' 'health_of_system.txt'
```

OUTPUT:



health_of_system.tar



health_of_system.txt

```
health_of_system.txt (-)
File Edit View Search Tools Documents Help
[Icons]
1 waiting for 1 second sample...
2 #<---CPU[HYPER]-----><-----Int-----><-----Memory-----><-----Disks-----><-----Network-----><-----TCP-----><-----Sockets-----><-----Files---
><-----NFS Totals----->
3 #cpu sys inter  ctxsw Cpu0 Cpu1 Cpu2 Cpu3 Free Buff Cach Inac Slab  Map  Fragments KBRead  Reads KBWrit Writes  KBin  PktIn  KBOut  PktOut  IP  Tcp  Udp  Icmp  Tcp  Udp  Raw  Frag  Handle Inodes
Reads Writes Meta Comm
4 10 2 1235 3275 601 171 308 155 3G 250M 3G 1G 269M 5G jjmnkjecar 0 0 4 1 0 0 0 0 0 0 0 0 0 0 1974 0 0 0 17536
91332 0 0 0
5 11 1 1476 3580 643 219 480 161 3G 250M 3G 1G 269M 5G smmnkjecar 0 0 300 5 0 0 0 0 0 0 0 0 0 1973 0 0 0 17536
91350 0 0 0
6 14 2 1602 3804 746 144 516 200 3G 250M 3G 1G 269M 5G qmmnkjecar 0 0 424 97 0 0 0 0 0 0 0 0 0 1974 0 0 0 17536
91344 0 0 0
7 29 3 2383 5504 915 678 763 590 3G 250M 3G 1G 269M 5G hngjljecar 0 0 180 2 0 0 0 0 0 0 0 0 0 1973 0 0 0 17536
91391 0 0 0
8 17 2 1975 4764 1005 432 547 483 3G 250M 3G 1G 269M 5G snjlljecar 0 0 44 3 0 0 0 0 0 0 0 0 0 1967 0 0 0 17408
91342 0 0 0
9 22 3 2186 7723 815 379 712 456 3G 250M 3G 1G 269M 5G sollljecar 0 0 0 0 0 0 0 0 0 0 0 0 0 1966 0 0 0 17376
91209 0 0 0
10 36 5 2552 9180 949 412 683 644 3G 250M 3G 1G 269M 5G nkllljecar 0 0 8 2 0 0 0 0 0 0 0 0 0 1973 0 0 0 17376
91304 0 0 0
```