LINUX PROGRAMMING

NAME: SAMYUGDHA.S

REGNO: 17MIS1118

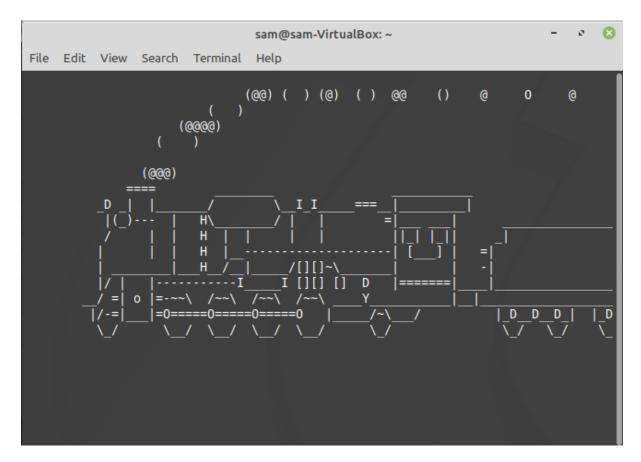
1. sl

sudo apt-get install sl

sl.sh

s1

```
sam@sam-VirtualBox: ~
 File Edit View Search Terminal Help
sam@sam-VirtualBox:~$ sudo apt-get install sl
[sudo] password for sam:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
 sl
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 26.4 kB of archives.
After this operation, 98.3 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu bionic/universe amd64 sl amd64 3.03-17bui
ld2 [26.4 kB]
Fetched 26.4 kB in 1s (25.0 kB/s)
Selecting previously unselected package sl.
(Reading database ... 251957 files and directories currently installed.)
Preparing to unpack .../sl_3.03-17build2_amd64.deb ...
Unpacking sl (3.03-17build\overline{2}) ...
Setting up sl (3.03-17build2) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
sam@sam-VirtualBox:~$ sl
sam@sam-VirtualBox:~$ sl
```



2.

Commands:

rev

Factor

yes

sa.sh

rev

factor

yes

```
sam@sam-VirtualBox:~/Desktop$ chmod +x sa.sh
sam@sam-VirtualBox:~/Desktop$ ./sa.sh
sam
mas
river
revir
linux
xunil
```

3.

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.

```
vmstat 1200 > ss.data
filename= "/home/sam/Desktop/ss.data"
tail -f $filename |
while read $line do
if [ (cat ss.data | grep "swap")>0 ]
then
echo "some rogue process has consumed massive amounts of memory"> swap.txt
fi
if [ (cat ss.data | grep "r")>1 ]
then
echo "some process are waiting to execute"> runqueue.txt
fi
```

```
if [ (cat ss.data | grep "cpu")>1000 ]
then
echo "cpu usage is more"> cpu.txt
fi
End
```

```
sam@sam-VirtualBox:~/Desktop$ chmod +x sys_health.sh
sam@sam-VirtualBox:~/Desktop$ ./sys_health.sh
^Csam@sam-VirtualBox:~/Desktop$
```

GITHUB LINK:

https://github.com/samyugdhas/sl_system_health_monitor