

Lab Report

17MIS1034

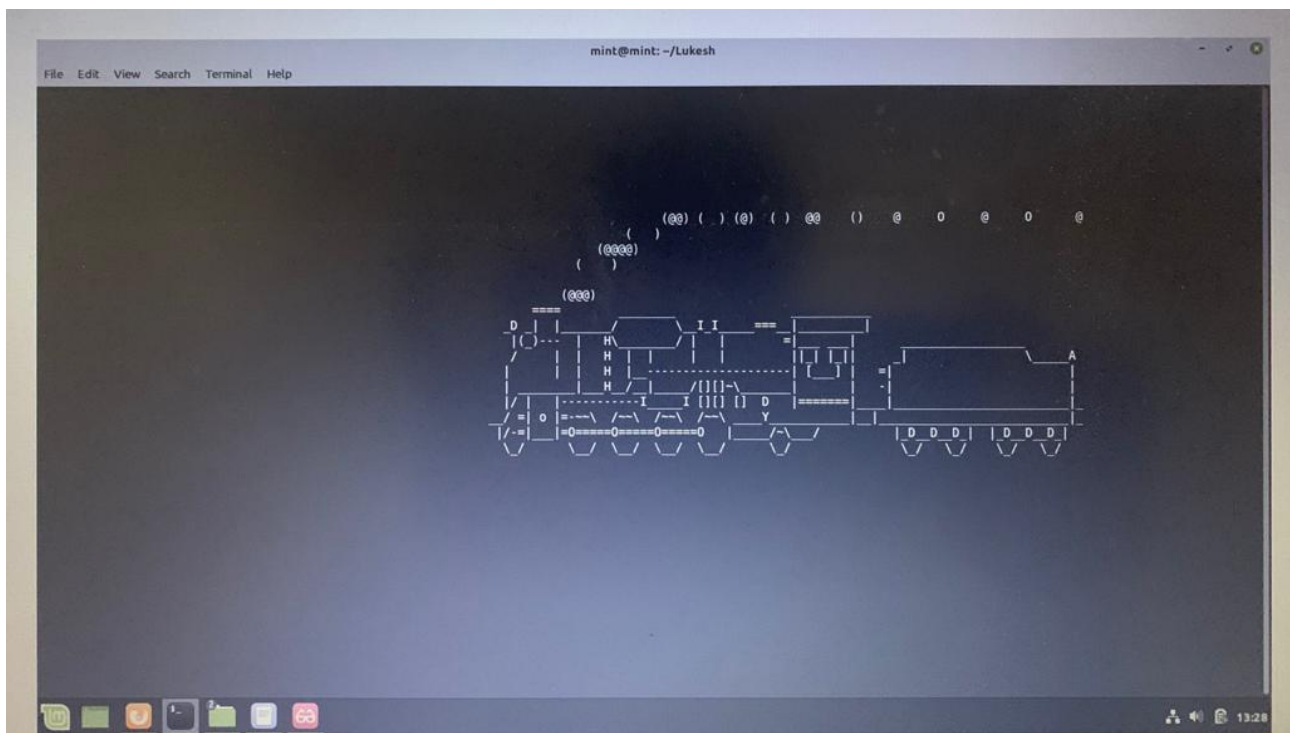
Script 1

Code

```
sudo apt-get install sl  
sl
```

Output

```
mint@mint:~/Lukesh$ chmod +x sl.sh  
mint@mint:~/Lukesh$ ./sl.sh  
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 3.03-17build2 [26.4 kB]  
Fetched 26.4 kB in 1s (28.5 kB/s)  
Selecting previously unselected package sl.  
(Reading database ... 253419 files and directories currently installed.)  
Preparing to unpack .../sl 3.03-17build2_amd64.deb ...  
Unpacking sl (3.03-17build2) ...  
Setting up sl (3.03-17build2) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
```



Script 2

Code

rev

Output

```
mint@mint:~/Lukesh$ chmod +x s2.sh
mint@mint:~/Lukesh$ ./s2.sh
Hi there my name is Lukesh
hsekuL si eman ym ereht iH
^Z
[1]+  Stopped                  ./s2.sh
mint@mint:~/Lukesh$
```

Script 3

Write a bash script to monitor health of the system.

Code

```
vmstat 1200 > vmstat1.data
filename= "/Lukesh/vmstat1.data"
tail -f $filename |
while read $line do
if [ (cat vmstat1.data | grep "swpd")>0 ]
then
echo "Some Rogue Process has consumed massive amounts of Memory"> swap.txt
fi
if [ (cat vmstat1.data | grep "r")>1 ]
then
echo "Some processes are waiting to execute"> runqueue.txt
fi
if [ (cat vmstat1.data | grep "cpu")>1000 ]
then
echo "CPU usage is more"> cpu.txt
fi
End
```

Output

```
chmod: cannot access 'health_monitor.sh': No such file or directory
mint@mint:~/Lukesh$ chmod +x Monitor_Health.sh
mint@mint:~/Lukesh$ ./Monitor_Health.sh
^Z
[2]+  Stopped                  ./Monitor_Health.sh
mint@mint:~/Lukesh$ cat vmstat1.data
procs -----memory----- --swap-- -----io----- -system-- -----cpu-----
 r  b   swpd   free   buff  cache   si   so    bi    bo    in   cs us sy id wa st
 3  0     0 107252 62920 683728    0    0   690    0  303 1357 34  3 62  1  0
```