

Distributed System

Assignment-2

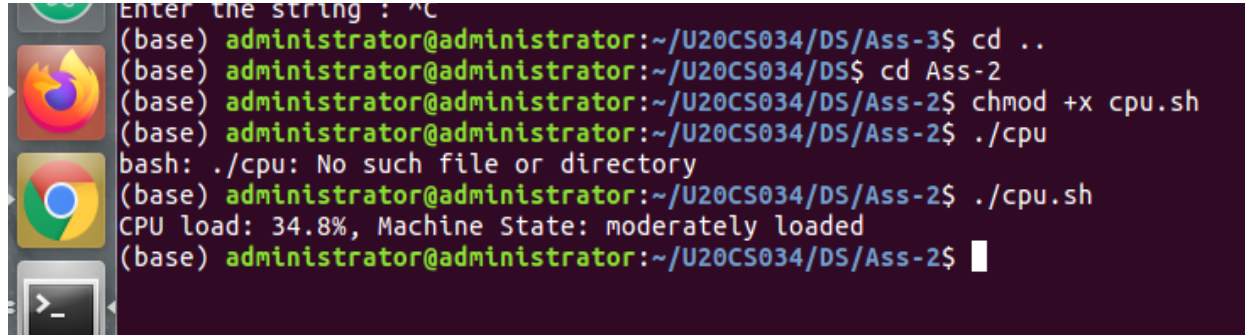
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```
#!/bin/bash
```

```
CPU_LOAD=$(top -bn 1 | grep "Cpu(s)" | awk '{print $2+$4}')
if(( $(echo "$CPU_LOAD>70"|bc -l) )); then
STATE="overloaded"
elif(( $(echo "$CPU_LOAD>30"|bc -l) )); then
STATE="moderately loaded"
else
STATE="lightly-loaded"
fi
echo "CPU load: $CPU_LOAD%, Machine State: $STATE"
```

Output:

A terminal window with a dark purple background and a sidebar on the left containing icons for a file manager, Firefox, Google Chrome, and a terminal. The terminal text shows the following sequence of commands and output:

```
Enter the string : ^C
(base) administrator@administrator:~/U20CS034/DS/Ass-3$ cd ..
(base) administrator@administrator:~/U20CS034/DS$ cd Ass-2
(base) administrator@administrator:~/U20CS034/DS/Ass-2$ chmod +x cpu.sh
(base) administrator@administrator:~/U20CS034/DS/Ass-2$ ./cpu
bash: ./cpu: No such file or directory
(base) administrator@administrator:~/U20CS034/DS/Ass-2$ ./cpu.sh
CPU load: 34.8%, Machine State: moderately loaded
(base) administrator@administrator:~/U20CS034/DS/Ass-2$
```