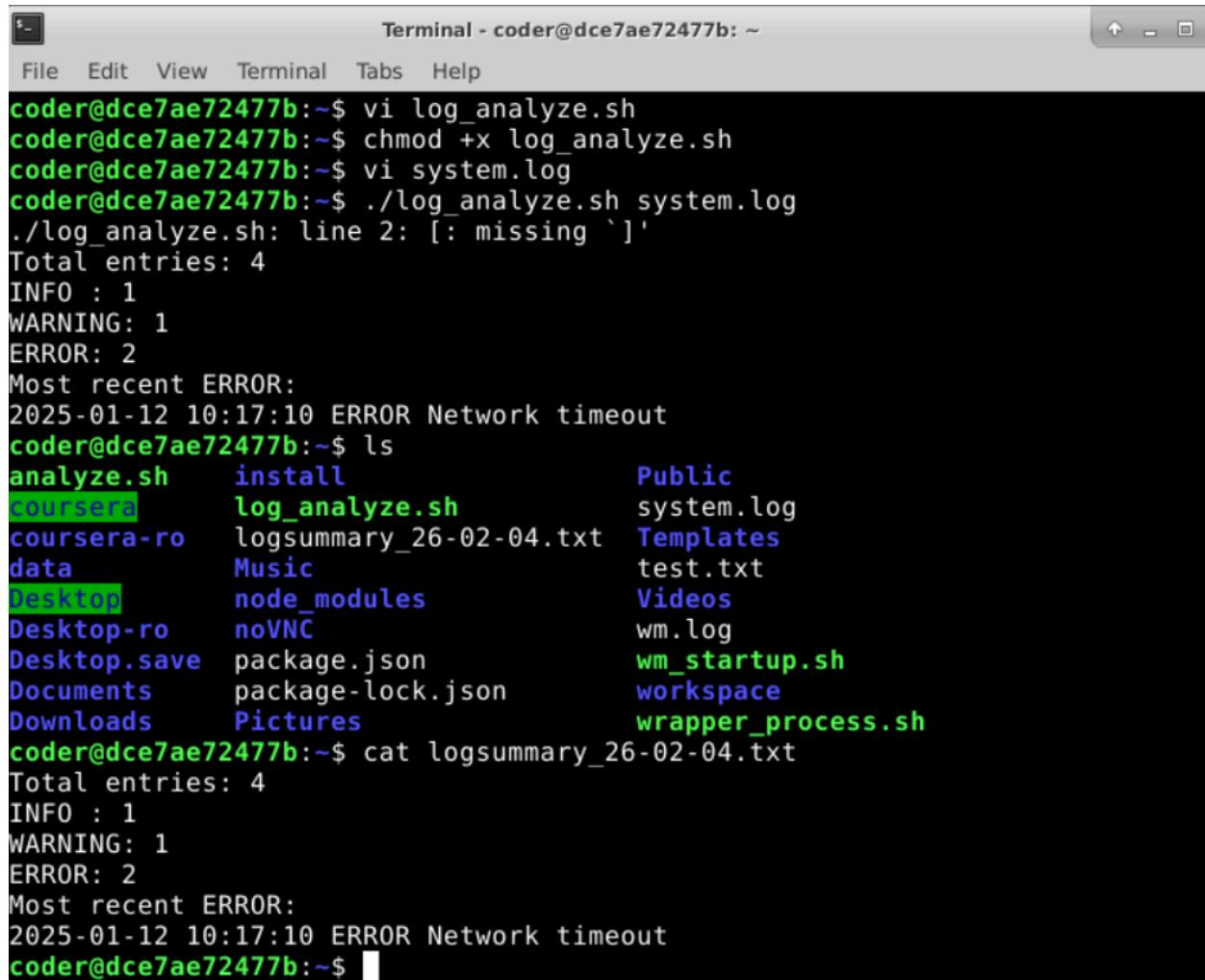


QUESTION 2 ANSWERS



The screenshot shows a terminal window titled "Terminal - coder@dce7ae72477b: ~". The window contains the following command-line session:

```
coder@dce7ae72477b:~$ vi log_analyze.sh
coder@dce7ae72477b:~$ chmod +x log_analyze.sh
coder@dce7ae72477b:~$ vi system.log
coder@dce7ae72477b:~$ ./log_analyze.sh system.log
./log_analyze.sh: line 2: [: missing `]'
Total entries: 4
INFO : 1
WARNING: 1
ERROR: 2
Most recent ERROR:
2025-01-12 10:17:10 ERROR Network timeout
coder@dce7ae72477b:~$ ls
analyze.sh      install          Public
coursera        log_analyze.sh   system.log
coursera-ro     logsummary_26-02-04.txt Templates
data            Music            test.txt
Desktop         node_modules    Videos
Desktop-ro      noVNC           wm.log
Desktop.save    package.json    wm_startup.sh
Documents       package-lock.json workspace
Downloads       Pictures         wrapper_process.sh
coder@dce7ae72477b:~$ cat logsummary_26-02-04.txt
Total entries: 4
INFO : 1
WARNING: 1
ERROR: 2
Most recent ERROR:
2025-01-12 10:17:10 ERROR Network timeout
coder@dce7ae72477b:~$ █
```

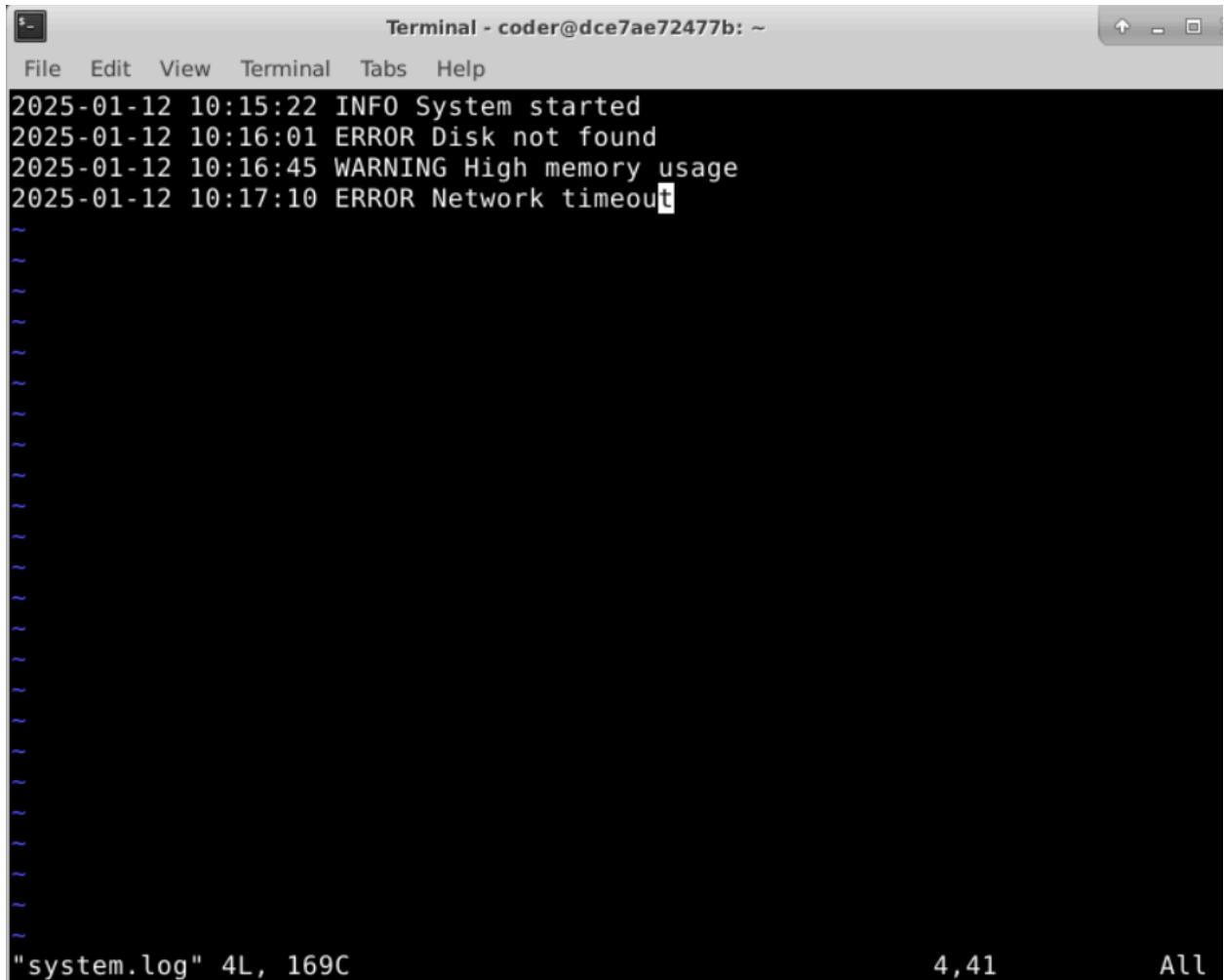
```
#!/bin/bash
if [ $# -ne 1]; then
    echo "Usage: $0 logfile"
    exit 1
fi
logfile=$1
if [ ! -f "$logfile" ] || [ ! -r "$logfile" ]; then
    echo "Error: File does not exist or is not readable."
    exit 1
fi
total=$(wc -l < "$logfile")
info=$(grep -c " INFO " "$logfile")
warning=$(grep -c " WARNING " "$logfile")
error=$(grep -c " ERROR " "$logfile")
recent_error=$(grep " ERROR " "$logfile" | tail -1)
date=$(date +%y-%m-%d)
report="logsummary_$date.txt"
{
echo "Total entries: $total"
echo "INFO : $info"
echo "WARNING: $warning"
echo "ERROR: $error"
echo "Most recent ERROR:"
echo "$recent_error"
} > "$report"
cat "$report"

~
```

"log_analyze.sh" 27L, 622C

8,22-29

All



A screenshot of a terminal window titled "Terminal - coder@dce7ae72477b: ~". The window has a menu bar with File, Edit, View, Terminal, Tabs, and Help. The main pane displays a log file with the following content:

```
2025-01-12 10:15:22 INFO System started
2025-01-12 10:16:01 ERROR Disk not found
2025-01-12 10:16:45 WARNING High memory usage
2025-01-12 10:17:10 ERROR Network timeout
```

The log file is named "system.log" and contains 4 lines with a total of 169 characters. The status bar at the bottom right shows "4,41" and "All".

I wrote a shell script that accepts a log file as input and first validates that the file exists and is readable. The script counts total log entries and the number of **INFO**, **WARNING**, and **ERROR** messages using `grep` and `wc`, and displays the most recent **ERROR** entry. A summary report is generated in a file named `logsummary_26-02-04.txt`.