LINUX SCENARIO BASED PRACTICE ACTIVITY

You have become a member of an IT team in a university . Three devices generated text logs. Your task is to arrange the logs, examine the contents, identify all error lines, and report the total number of errors using only the five specified commands.

Use only: mkdir, cat, ls, grep, wc

Instructions :

Create a workspace ------ mkdir -p lab/logs/day1 lab/logs/day2

Create three log files with sample content (use cat + here-doc)

cat > lab/logs/day1/sysA.log <<'EOF'

2025-08-23 09:01 INFO init

2025-08-23 09:02 ERROR db: connection refused

2025-08-23 09:05 WARN memory high

2025-08-23 09:06 ERROR auth: invalid token

EOF

cat > lab/logs/day1/sysB.log <<'EOF'

2025-08-23 09:10 INFO job started

2025-08-23 09:12 ERROR disk full

2025-08-23 09:13 ERROR db: timeout

2025-08-23 09:14 INFO job aborted

EOF

cat > lab/logs/day2/sysC.log <<'EOF'

2025-08-24 10:00 INFO heartbeat

2025-08-24 10:02 ERROR network: unreachable

2025-08-24 10:03 WARN cpu high

2025-08-24 10:05 ERROR auth: expired

2025-08-24 10:06 ERROR db: locked

EOF

List what's in your log tree ----- ls -lR lab/logs

Show all error lines across all logs ----- grep -R "ERROR" lab/logs

Report total count of error lines ------ grep -R "ERROR" lab/logs | wc -l