Day 19 – Mistakes Review (Self Improvement Notes)

Log Rotate Script – Mistakes

- Used tar instead of gzip for log compression.
- Incorrect variable assignment syntax (missing $() in command substitution).
- Used interactive input (read -p) instead of argument-based execution.
- Incorrect find pattern usage with wildcards.
- Wrong -exec syntax (missing \;).

Backup Script – Mistakes

- Forgot strict mode initially.
- Wrong archive extension (.tar.g instead of .tar.gz).
- Weak argument validation and incorrect string checks.
- Duplicate file existence condition instead of checking file size (-s).
- Unquoted variables in multiple places.

Cron – Mistakes

- Used * 2 * * * which runs every minute at 2 AM instead of once.
- Accidentally used */3 instead of */5 for health check schedule.

Maintenance Script – Mistakes

- Used exec before script calls which replaces current process.
- Overcomplicated and incorrect logging syntax.
- Repeated spelling mistakes in maintenance file name.
- Added stray character (~) at the end of script.

General Pattern Issues

- Rushed without fully reading instructions.
- Did not mentally simulate script execution before submitting.
- Mixed multiple validations into single messy condition.