

Linux Scenario-Based Question

You are a Linux system administrator working on a project deployment.
Your manager gives you the following real-time task:

1. In the directory /home/student/project:
 - Create three subdirectories: config, logs, and archive.
2. Inside the config directory:
 - Create three files: app.conf, db.conf, and network.conf.
 - Write "Configuration File" inside each file using redirection.
 - Append "Updated by Admin" only to app.conf.
3. Inside the logs directory:
 - Create a file system.log with at least 10 lines of dummy text (you can use echo or editor like nano/vi).
 - Redirect the first 5 lines of system.log into a new file error.log.
 - Append the last 3 lines of system.log into another file warning.log.
4. Move error.log and warning.log into the archive directory.
5. Use an editor (nano or vi) to open readme.txt in the project root and write:
Project Setup Completed Successfully
Logs Archived by
Save and exit.
6. Finally:
 - Display the count of total lines in system.log and redirect this output to a file called log_count.txt.
 - Show all contents of app.conf, db.conf, network.conf, and readme.txt on the terminal in a single command.