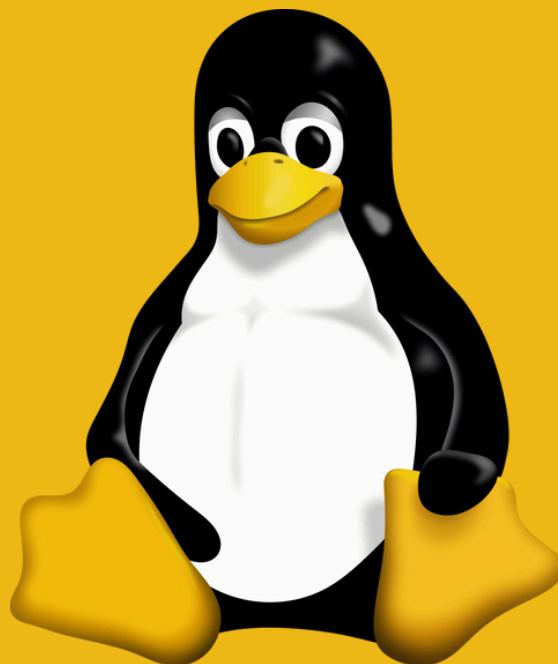


# Essential Linux Commands for Cybersecurity

Part 2

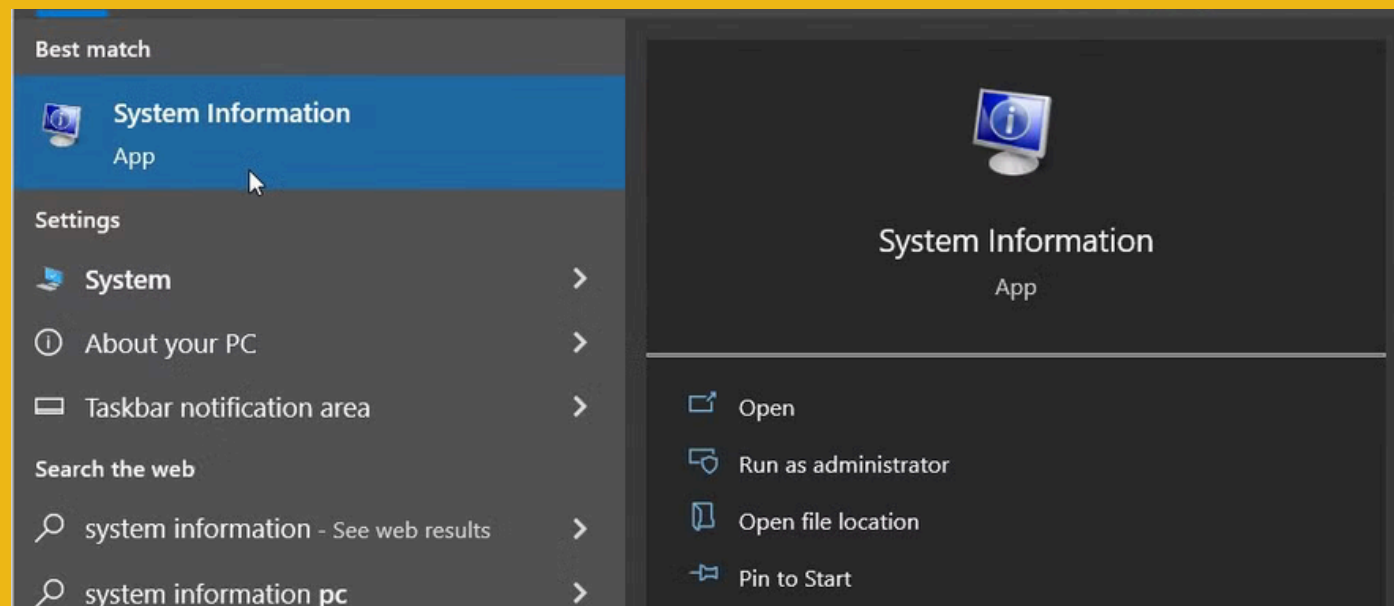


# Process Management



- `ps aux` → View running processes
- `top / htop` → Monitor system processes
- `kill <PID>` → Terminate a process
- `killall <process_name>` → Kill all instances of a process
- `pkill <pattern>` → Kill processes by name
- `nohup <command> &` → Run a command in the background

# Disk and System Information



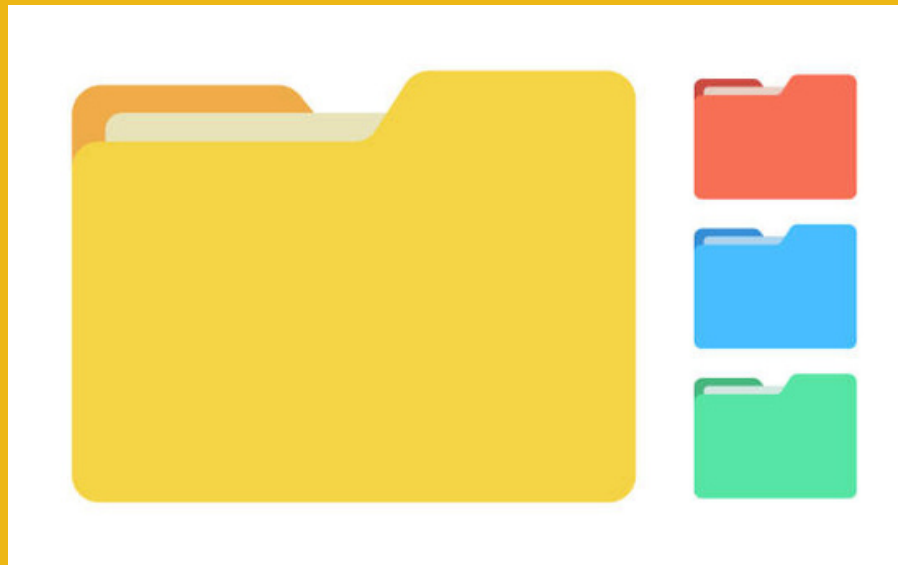
- `df -h` → Show disk usage
- `du -sh <directory>` → Show directory size
- `free -h` → Display memory usage
- `uname -a` → Display system information
- `uptime` → Show system uptime
- `whoami` → Display the current user
- `id` → Show user and group IDs

# User Management



- who: Show logged-in users.
- users → Show current users
- adduser <username> → Add a new user
- passwd <username> → Change user password
- usermod -aG <group> <username> → Add user to a group
- deluser <username> → Delete a user

# Compression and Archiving



- `tar -cvf archive.tar <files>` → Create a tar archive
- `tar -xvf archive.tar` → Extract a tar archive
- `gzip <file>` → Compress a file
- `gunzip <file.gz>` → Decompress a file