Practical Questions for `find` Command

1. **Find all `.txt` files** inside the `/home/student` directory.
2. **Find all files** that were **modified in the last 2 days** in `/var/log`.
3. Find and list all **empty files** in your home directory.
4. Find all files **greater than 10MB** in size under `/home`.
5. Find all **files with permission 777** in the `/var/www` directory.
6. Find all files owned by user `admin` in `/opt/project`.
7. Find all files in `/home` that were **accessed more than 30 days ago**.
8. Find and **delete all `.log` files** inside `/tmp` that are older than 7 days.
9. Find and **copy all `.conf` files** from `/etc` to `/backup/etc_conf_backup`.
10. Find all files in `/home/student` whose **name starts with "report"** and ends with `.pdf`.

Practical Questions for `grep` Command

1. Search for the word **"error"** in the file `/var/log/syslog`.
2. Search recursively for the word **"password"** inside all `.conf` files in `/etc`.
3. Print all lines from the file `users.txt` that **start with the letter 'a'**.
4. Search for the exact word **"root"** in `/etc/passwd` and show line numbers.
5. Use `grep` to find all lines in a file `students.txt` that **do not contain** the word `pass`.
6. Find all lines in `report.txt` that contain a **number** (use regex).
7. Search for case-insensitive matches of the word `success` in the file `log.txt`.

8. Use `grep` with pipe: Display all users that contain `/bin/bash` from `/etc/passwd`.

9. Show lines in `file.txt` where the word **starts with "s" and ends with "d"** (use pattern).

10. Extract only the IP addresses from the file `access.log`.