DevOps Interview Quick Revision Cheat Sheet

1. Linux Basics
- Commands: ls, cd, pwd, cat, head, tail, chmod, ps, kill, df -h, free -m
- Logs: /var/log/, journalctl -xe

2. Git Essentials
- clone → copy repo | pull → fetch+merge | fetch → fetch only
- checkout -b → new branch | Conflict → edit → add → commit

3. CI/CD Basics
- CI = frequent commits + tests | CD = automated deploy
- Flow: Code → Build → Test → Deploy

4. Docker
- ps (running), images (list), build -t, run -d -p
- Diff from VM → lightweight, shares host kernel

5. Kubernetes
- Pod = container unit | Deployment = replicas | Service = expose
- Scale: kubectl scale deployment app --replicas=3

6. AWS Basics
- EC2 (servers), S3 (storage), IAM (access), VPC (network)
- Public vs Private IP

7. Networking
- DNS → domain→IP | HTTP vs HTTPS | TCP reliable, UDP fast

8. Troubleshooting
1. Check resources (top, df -h, free -m)
2. Check logs (journalctl, app logs)
3. Check service (systemctl status)
4. Check network (ping, curl)
5. Restart service if needed

9. Soft Skills
- Why DevOps? → bridge dev & ops, faster delivery, automation
- Why internship after 2 yrs? → foundation strong, want focused DevOps
- Why you? → exp + eagerness + team player