DevOps Command Flow (Beautiful Edition)

1. GIT — Code & Version Control

```
git init
git status
git add .
git commit -m "message"
git clone
git branch
git checkout -b feature
git pull
git push -u origin main
```

2. BUILD — Application Compilation

```
Maven:
mvn clean
mvn install
mvn package
mvn test
Node.js:
npm install
npm run build
npm test
```

3. JENKINS — CI Pipeline

```
git branch: 'main', url: ''
sh 'mvn clean install'
sh 'npm install'
archiveArtifacts 'target/*.jar'
sh 'docker push user/app:1.0'
```

4. DOCKER — Containerization

```
docker build -t app:1.0 .
docker images
docker run -d -p 8080:8080 app:1.0
docker stop
docker rm
docker login
docker tag app:1.0 user/app:1.0
docker push user/app:1.0
```

5. KUBERNETES — Deployment & Orchestration

```
kubectl apply -f deployment.yaml
kubectl apply -f service.yaml
kubectl get pods
```

```
kubectl get svc
kubectl logs
kubectl exec -it -- bash
kubectl delete -f deployment.yaml
```

6. TERRAFORM — Infrastructure as Code (IaC)

```
terraform init
terraform fmt
terraform validate
terraform plan
terraform apply
terraform destroy
```

7. ANSIBLE — Configuration Management

```
ansible all -m ping
ansible-playbook site.yaml
```

8. LINUX — Server & Deployment Basics

```
ls
cd
pwd
mkdir folder
rm -rf folder
chmod 755 file
chown user:user file
systemctl start nginx
systemctl stop nginx
systemctl restart nginx
systemctl status nginx
```