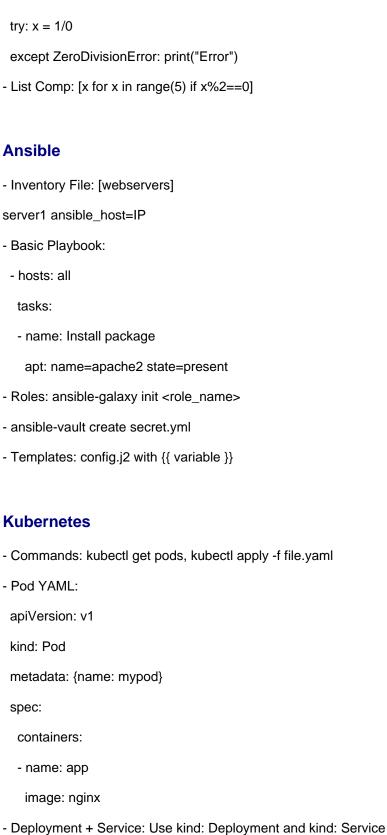
DevOps Retest Cheatsheet - Jenkins, Linux, Python, Ansible, Kubernetes

Jenkins

- Exception:

```
- Freestyle vs Pipeline Jobs: Use Pipeline for automation (Jenkinsfile)
- Basic Jenkinsfile:
 pipeline {
  agent any
  stages {
   stage('Build') { steps { echo 'Building...' } }
   stage('Test') { steps { echo 'Testing...' } }
   stage('Deploy') { steps { echo 'Deploying...' } }
  }
 }
- Webhook: GitHub > Settings > Webhook > Point to Jenkins endpoint
- Plugins: GitHub Integration, Docker, Kubernetes, Pipeline
Linux
- File Permissions: chmod 755 file, chown user:group file
- Process Management: ps aux, top, kill -9 PID, nice -n 10 cmd
- Network: ifconfig, netstat -tuln, curl, ping
- Shell Scripting:
 for i in {1..5}; do echo $i; done
 if [$x -eq 1]; then echo yes; fi
- File Ops: grep "text" file, awk '{print $1}', sed 's/old/new/g'
Python
- Data Types: str, int, list, dict
- Loops: for x in list: print(x)
- File Handling:
 with open('file.txt') as f:
    data = f.read()
```

DevOps Retest Cheatsheet - Jenkins, Linux, Python, Ansible, Kubernetes



- Scaling: kubectl scale deployment app --replicas=3
- RBAC: Role + RoleBinding + ServiceAccount