```
mandhu264581APTOP-1TVBND28: $ sudo apt update
sudo apt install openssh-server
Ign:1 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:2 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:4 http://archive.ubuntu.com/ubuntu noble InRelease
Get:5 http://sccurity.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-security/main and64 Packages [671 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main and64 Packages [922 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main and64 Components [8960 B]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main and64 Components [8960 B]
Get:12 http://security.ubuntu.com/ubuntu noble-security/miverse and64 Packages [820 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe and64 Packages [820 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-security/universe Translation-en [177 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-security/universe and64 Components [519 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/universe and64 Components [8960 B]
Get:18 http://security.ubuntu.com/ubuntu noble-security/universe and64 Components [819 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/universe and64 Components [819 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/universe and64 Components [819 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/universe and64 Components [820 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/universe and64 Components [820 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble-backports/main/universe and64 Components [820 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble-backports/main/universe and64 Compone
```

```
mandhu2645RAPTOP-ITVBND2B: $ minikube start

mandhu2645RAPTOP-ITVBND2B: $ minikube start

minikube v1.35.0 on Ubuntu 24.84 (amd64)

Using the docker driver based on existing profile

Starting "minikube" primary control-plane node in "minikube" cluster

Pulling base image v0.0.46 ...

Restarting existing docker container for "minikube" ...

StartHost failed, but will try again: provision: get ssh host-port: get port 22 for "minikube": docker container inspect -f "'{{(index (index .NetworkSettings.Ports "22/tcp") 0}.HostPort}}'" minikube: exit status 1

stdern:

template parsing error: template: :1:4: executing "" at <index (index .NetworkSettings.Ports "22/tcp") 0>: error calling index: reflect: slice i ndex out of range

Updating the running docker "minikube" container ...

Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...

Verifying Kubernetes v3.32.0 on Docker 27.4.1 ...

Verifying Kubernetes v3.35.0 on Docker 27.4.1 ...

Verifying Kubernetes components. ..

Using image gcr.1o/k8s-minikube/storage-provisioner:v5

Enabled addons: storage-provisioner, default-storageclass

Done! Kubectl is now configured to use "minikube" cluster and "default" namespace by default

E0321 06:17:00.796627 6050 logFile.go:53] failed to close the audit log: invalid argument

nandhu26458LAPTOP-ITVBND28: $ do '/ kube

nandhu26458LAPTOP-ITVBND28: */ wube$ sudo vi config

[Sudo] password for nandhu2645:

nandhu2645RAPTOP-ITVBND28: */ wube$ sudo vi config

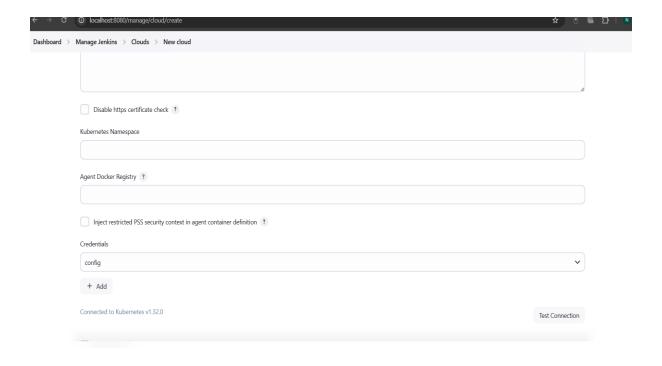
minikube Ready control-plane 14h v1.32.0

nandhu26458LAPTOP-ITVBND28: */ wube$ sudo vi config

minikube Ready control-plane 14h v1.32.0

nandhu26458LAPTOP-ITVBND28: */ wube$ sudo vi config
```

```
2645@LAPTOP-1TVBND2B:~$ sudo visudo
             do] password for nandhu2645:
                          12645@LAPTOP-1TVBND2B:~$ sudo systemctl restart ssh
12645@LAPTOP-1TVBND2B:~$ cd ~/.kube
12645@LAPTOP-1TVBND2B:~/.kube$ ls
                                                                 PTOP-1TVBND2B:~/.kube$ sudo vi config
     andhu2645@LAPTOP-1TVBND2B:~/.kube$ cat /home/nandhu2645/.minikube/ca.crt | base64 -w 0; echo
S0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSURCakNDQWU2Z0F3SUJBZ01CQVRBTkJna3Foa2lH0XcwQkFRc0ZBREFWTVJNd0VRWURWUVFERXdwdGFXNXAKYTNWaVpVTkJNQjRYRF
   KJMU1ETXHPREE0TWpFMU0xb1hEVE0xTURNeE56QTRNakUxTTFvd0ZURVRNQkVHQTFVRQpBeE1LYldsdWFXdDFZbVZEUVRDQ0FTSXdEUVlKS29aSWh2Y05BUUVCQ1FBRGdnRVBBRENDQVFv
Q2dnRUJBT11XCnNFMFRLWW5SY29idTJZQnVpSj10dHBkd0R2WwNnWXEwN0t5VU1Ub1NJUndrZmlsRXJMbVhDK0ZNRVhYMXVpVU8KYkFKb3o1TUJ4dG01Mmtid2JYekJVVHhXczFKSnBJYj
   GWGZpTXJ3VVNHZVBkQmxSSTdJS1IyY0hXZDRLQ3F2Qgo4WUxka2o3ZjR3RytQUXVkZENnNE1RaFJhNkF4L25CTWh0U2c0ZGVybmhZUFFVUj9ud]BFeno1Q29NVkljelIzCmw2QTI0dzJÓ
JmxZa0laMDk2dE1sRDZwR1F0dWwwc3oyTU9ien11Y1FIU3BVdEprTjM5VzJCeFE2VXpIeUhNcGYKSkEzWTJ4MTNKUEt4ZnpWUTk5N2ZVMHhzMmxHbk5KUWNHZkJPNE00RWFLYmFHaERCck
WaG90VVRvZ2xPWEk3cwpkY216ZGZrUmw1QUZWVmp5LzgwQ0F3RUFBYU5oTUY4d0RnWURWUjBQQVFIL0JBUURBZ0trTUIwR0ExVWRKUVFXCk1CUUdDQ3NHQVFVRkJ3TUNCZ2dyQmdFRkJR
'ORBVEFQQmdOVkh5TUJBZjhFQIRBREFRSC9NQjBHQTFVZERnUVcKQkJRanJLbTJaU1FBWTZRUHFRWEVoVkc2ZGIxNkNqQU5CZZtxaGtpRzl3MEJBUXNGQUFPQ0FRRUFJNmd0VT1YZwpDT2
YORBVERQUINTENDED TO THE WARD THE
 dZddnRWlNQTBHCkNTcUdTSWIZRFFFQkFRVUFBNElCRHdBdZdnRUtBb0lCQVFEZE8yM1NRcG10NlhHanVSZjdaNWllVkRUURZTjMKSFRiMGpLNZhOYksv4a09WV1B0S3UzYZVOKTHLaTDWC
ExTjUwallsNZF6WnIvQW90VZ1QTy93ckIZRUtRNnNOSQpjYlRpcEFxaGZYYKY1M2NGU0t4RnlZRGhSYnNHS2xoQWgvMVp2L05yQndzWmJaRGdJSzRlakZyWUJMZkVjZzF3CmR3dGdnV3Ft
a1JQMEVjSXo1Mmw2ZGxueldWemF2dlhZbC93YXhUNGtxUlhYVS9XdjRhdEtDNE5pR2gvQWlXMVUKb1RBcUVxUS9aVjBoOEh5SzFrUmlaQUFkaG1nNzJaYjg0ekZMTG91ZWIyQzBNdnpkVW
EzdU1Hcjh5UFNma3hzWgp1VEgrTWhFVHhJL2lTVkx5N1NweFpuRHZESmc5SlhwbzVrY0RRRnBweUphc085U29MVm1MYVRnaEFnTUJBQUdqC1lEQmVNQTRHQTFVZER3RUIvd1FFQXdJRm9E
   WRCZØSWSFNVRUZQQVVCZ2dyQmdFRkJRYØRBUV1JS3dZQkJRVUgKQXdJdØRBWURWUjBUQVFILØJBSXdBREFmQmdOVkhTTUVHREFXZØJRanJLbTJaU1FBWTZRUHFRWEVoVkc2ZGÍxNgpDak
OQmdrcWhraUc5dzBCQVFzRkFBT0NBUUVBRØVQNGEvZlk3MXF5Nng3dFBPLØxsQlFYeEZMRjN6WVFXTHhKCnd4dG1OMmFwOEQrMnFISW9qZnYrcEFCNWdMMGMrNk1JZDRuZ2pGK313aXNL
   /mxWsjIxclNVY3Bnb0QyNlVVY3UKdmt3Y3hmSkpSb3YvNWZUM0tIcy93L0xJenY5c2VRSjhRMGZJVGxrY1VZc09OTW9hR3lraDRqU3ZMeFj3ZkNMKwpidHg2cGc4QUIxTld0K2hWcGxDeH
IQVTFGbGhlaHNSLzdMbEZJSOJlMGxQLzY5K0RtVDdrNExNWFgvQlJmWmptCkh6cSs0RFgxbUNML3IrWGVIT0Y5ZFRTa3ZyaHkrSEwwemVzSGx6Tk9FdCsrcGE3TnppUCs0ckRITVNRMFJy
  ### Index of the content of the
   .XBwRVQ5QkhDTStkcAplblpaODFsYzJyNzEySmY4R3NVK0pLa1YxMVAxcitHclNndURZaG9md0lsdFZKMHdLaEtrUDJWZElmQjhpdFpFClltUUFIWVpvTzltVy9PTXhTeTZMbm05Z3RETD
;zVkd0N2pCcS9NajBuNU1iR2JreC9qSVJFOFNQNGtsUzh1MHEKY1dadzd3eVlQU1Y2YU9aSEEwQmFhY2lXckR2VXFDMVlpMms0SVFJREFRQUJBb0lCQUZ2MEg2bU5aVUxjaFFkdwpINisz
gzVkd0N2pcc59NajBuNU11R2Jrec9gSVJF0FNQNctsUzhIMHEKY1dadzd3eV1QU17V2VJ99SEEwQmFhV21XckR2VXFDWN1pMms0SVFJREFRQUJBb01CQUZZMEg2bU5aVUxjaFFkdwpINisz
VjVRM2IPV3owlVzWwSpa5FkwamejUuJISV1112d6SjxeelIxakhQNDh6ajMwdjdRVlp57CTM3cNJChK165U9nQU1VxhJnY1VoOENDaQlRZNamhgMmN1Qy97SkVoETYMMKhBTDdZRDRueT
ViRzcxOG1rWjZpeHRKQzREekkKV0pjSjc1aHFlWmZoY0FTVz1udWVUeDM4bnphS2hNQWtWZzRiU2VVdEpuV2prNmFkKzV3bHVhc1dvWkMrbWt0MAo2S25jQ1g4UnRwVWRWS1hrZHJNVVd1
Tm1iaTJDLzhSWLRyL0k1WJJNQkh0Ni93UjkzdWgrdzFHSEtZYXhFTW35cmPD52JoXZMrNEh6enkwQU1QenBRJWzDYHRESVBVOU1idUFSTUXBdGVQM0J0Dbm10aE15SktAY3
UkdGMwRWBRNNHWUNBFSFSTWEwkmJUUGp5TmajTdbxPWJUGPRXMYNC1FjRBNUZU9SXRZMrNEh6enkwQU1QenB8ZwgZNHEzSUtGT3dTd1JHcEd1VEW2WDFUNDymkNNVL1FjRBNTSDXZVXJ1
SEFRRHRUWGZOU0V6TWppK0VQUHRCL3VzCm1PZkFeb1F2b3hCTEt1ZF1uTk1oUmV6eEVES3ZhUkdhVGVQaGxHbzJYSX16dHRPY0RDa3pVOGtDZ11FQS80YmYKdWs4eWJZbTkzb1U2SWhnd2
k0WHZBbkp1Sk9aaVd6OHdab2F4Q2RRTHFVQnbjSNZWQUXXZTBwQUVQkTpTcnZJMApjVE90UTN1eEov17zRIQnYuMwMd0dWSBVVZzSVd113hvUb1XZU1PeXQreT1XU0XDSXJ4cURndX8CaUhK
ZWFSaD1SCnB3SXM2SFBW0NHL3fnUThJV2Qza0N0RnFycVVVRm6yL21pXZaa0NnuTeg04C5EZ5jEdMHVZNUF0VH0YNVKQnETXSkVZFOESbhTqYmg00G18RC9tUnEx3NNU31kg7
VCL3Z0bTR2bWo3U2JLa2NPRVd0bm5jczBhUHFXSwpMZmoySU1VSHdFcWx1bkp2b3hObitEZHdqbHNDUys2em80dGh2VkpadmhWaVM1bWhEa05id1ZsS2FmZjE3bV1uCnNMN1FxUWYyRC9Y
R0NpS7Z1Vmcyb1F1QmdGSUJ6a0d6OH1LZE9v1jB6SUJ7l6A2Q1FUL092M6gzYSsrTzC4Q3MKZjVZG7Q3RL1AcjhzeJ11UdUTE1wNJ1Frk0VEcmZJeXNGOVVSbUdpVERtNXU3V0d8bmsVu2
  51M2xIUTFoSjVweQo2TVRjbzdmVDRRQnJBeE9mUkNCOEFCRGZFdjEwNkEzM1k4VKNQNGEØbmJPSjRvS31QY0RUeWp1TjQ5V1p4V01HCjZNMVpBb0dBU0N1OE53dDNLVWdETWMrQUkzcW9M
Nno2MVBZU1ZScnBPK3ArVHRBSjZIa1NaUDQrNDhwTUVjVnAKNVN1ZXVod2VzcU0xY2F2TkgxZmhpUzQySFgzUkVNZEpNeGVBL3pMYVVRRk9EbmFQcTdCWV1hK21hMS91b2FmMwo2ZHUxck
       IZGxmRTRKZyt5SVRpQTlQU1JpZDVrSUlSWXFESjBFUWRNZzUxU2V3TVpQL1k9Ci0tLS0tRU5EIFJTQSBQUklWQVRFIEtFWS0tLS0tCg==
```



```
PIPELINE:

pipeline {
    agent any

stages {
    stage('scm') {
        steps {
        git branch: 'master', url:'https://github.com/nandhu6804/devops_main.git'
        }
    }
    stage('builb-clean') {
        steps {
            sh "mvn clean"
    }
}
```

```
stage('build-validate') {
      steps {
        sh "mvn validate"
}
}
    stage('build-com') {
      steps {
        sh "mvn compile"
}
}
    stage('build-test') {
      steps {
        sh "mvn test"
}
}
    stage('build-install') {
      steps {
        sh "mvn package"
}
}
stage('build to images') {
      steps {
        script{
          sh 'docker build -t nandhita22cse126/mysimplewebapp .'
        }
  }
}
stage('push to hub') {
      steps {
        script{
```

```
withDockerRegistry(credentialsId: 'Docker_cred', url: 'https://index.docker.io/v1/') {
          sh 'docker push nandhita22cse126/mysimplewebapp'
        }
       }
       }
}
    stage('Deploy App') {
       steps {
         withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentialsId: 'mukubeconfig_011', namespace: '', restrictKubeConfigAccess: false, serverUrl:
'https://192.168.49.2:8443') {
         sh 'kubectl apply -f deployment.yml --validate=false'
      }
    }
    }
  stage('Test') {
   steps {
     withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentials Id: \\ 'mukube config\_011', \\ name space: \\ '', \\ restrict Kube ConfigAccess: \\ false, \\ server Url: \\
'https://192.168.49.2:8443') {
    sh 'minikube service my-service --url | xargs curl'
 }
}
}
}
}
```