**(Run on both nodes)**

sudo apt-get update –y

sudo apt-get install docker.io –y

sudo apt-get install -y apt-transport-https ca-certificates curl gnupg

sudo mkdir -p /etc/apt/keyrings

curl -fsSL <https://pkgs.k8s.io/core:/stable:/v1.30/deb/Release.key> | sudo gpg --dearmor -o /etc/apt/keyrings/kubernetes-apt-keyring.gpg

sudo chmod 644 /etc/apt/keyrings/kubernetes-apt-keyring.gpg

echo 'deb [signed-by=/etc/apt/keyrings/kubernetes-apt-keyring.gpg] <https://pkgs.k8s.io/core:/stable:/v1.30/deb/> /' | sudo tee /etc/apt/sources.list.d/kubernetes.list

sudo chmod 644 /etc/apt/sources.list.d/kubernetes.list

sudo apt-get update

sudo apt-get install -y kubectl kubeadm kubelet

**On Master**

sudo kubeadm init --ignore-preflight-errors=all

mkdir -p $HOME/.kube

sudo cp -i /etc/kubernetes/admin.conf $HOME/.kube/config

sudo chown $(id -u):$(id -g) $HOME/.kube/config

kubectl apply -f <https://raw.githubusercontent.com/projectcalico/calico/v3.26.0/manifests/calico.yaml>

kubeadm token create --print-join-command

[add port 6443 in both master and worker node]

**On Worker:**

Use kubeadm join command with token (copy the command from master and paste on worker)

**On Master:**

kubectl get nodes

