FIRST INSTALL ANSIBLE ON YOUR SYSTEM-> sudo apt install ansible2 -y
AND SINCE I AM DOING IT ON MY LOCALHOST SERVER IN AWS SO I DINT SETUP PASSWORDLESS AUTHENTICATION

IMPORTANT POINT: BY READING ALL YOUR README FILES IN THE DIRECTORIES PROVIDED I HAVE WRITTEN ANSIBLE

```
---
- name: task
  hosts: localhost
  connection: local
  gather_facts: false

  tasks:
    - name: Ansible_task_for_Kube_Monitor
      copy:
        content: |
          #!/bin/bash
          sudo apt update -y
          sudo apt install unzip
          unzip kubemonitor.zip

          sudo [ $(uname -m) = x86_64 ] && curl -Lo ./kind https://kind.sigs.k8s.io/dl/v0.20.0/kind-linux-amd64
          sudo chmod +x kind
          sudo mv kind /usr/local/bin/kind

          sudo apt install docker.io -y
          sudo apt install docker-compose -y
          sudo snap install kubectl --classic
          sudo apt install npm -y
          sudo npm install -g nodemon -y


          cd /home/ubuntu/kubemonitor/test-env/prometheus/kubernetes/1.23
          sudo su

          kind create cluster --name monitoring --image kindest/node:v1.23.6 --config kind.yaml
          kubectl cluster-info --context kind-monitoring

          kubectl get nodes
          docker run -v ${PWD}:/work -w /work alpine
          docker run -v ${PWD}:/work -w /work alpine sh -c "apk add git"
          docker run -v ${PWD}:/work -w /work alpine sh -c "git clone --depth 1 https://github.com/prometheus-operator
          docker run -v ${PWD}:/work -w /work alpine sh -c "ls /tmp/ -l"
          docker run -v ${PWD}:/work -w /work alpine sh -c "ls /tmp/manifests -l"
          docker run -v ${PWD}:/work -w /work alpine sh -c "cp -R /tmp/manifests ."
          docker run -v ${PWD}:/work -w /work alpine sh -c "ls /tmp/manifests/setup -l"

          kubectl create -f ./manifests/setup/
          kubectl create -f ./manifests/
          kubectl -n monitoring get pods

          kubectl -n monitoring port-forward svc/grafana 3000

          cd manifests/
          sudo sed -i 's/"url" : "*"/"url" : "http://prometheus-operated.monitoring.svc:9090"/g' grafana-dashboardDataso
          kubectl apply -f ./manifests/grafana-dashboardDatasources.yaml
          kubectl -n monitoring delete po grafana-*

          kubectl -n monitoring port-forward svc/grafana 3000
          kubectl -n monitoring port-forward svc/prometheus-operated 9090
```

```
      kubectl -n monitoring get servicemonitors

      kubectl -n monitoring describe servicemonitor node-exporter

      cd ../../..

      docker-compose up -d prometheus
      docker-compose up -d grafana
      docker-compose up -d grafana-dashboards

      docker-compose up -d --build nodejs-application

      npm install
      npm run build
      npm run start

      kubectl port-forward -n monitoring svc/prometheus-k8s 9090


    dest: /tmp/task_script.sh
    mode: '0777'

- name: Execute the script using script module
  script: /tmp/task_script.sh
  register: task_output

- name: Display script output using script module
  debug:
    var: task_output.stdout_lines

- name: Remove the temporary script file
  file:
    path: /tmp/task_script.sh
    state: absent
```