Monitoring Setup using the Prometheus and Grafana :

UserName : admin

To Get the password :

kubectl --namespace monitoring get secrets monitoring-grafana -o jsonpath="{.data.admin-password}" | base64 -d ; echo

Access Grafana local instance:

export POD\_NAME=$(kubectl --namespace monitoring get pod -l "app.kubernetes.io/name=grafana,app.kubernetes.io/instance=monitoring" -oname)

kubectl --namespace monitoring port-forward $POD\_NAME 3000

kube-prometheus-stack has been installed. Check its status by running:

kubectl --namespace monitoring get pods -l "release=monitoring"

Install Helm :

curl https://raw.githubusercontent.com/helm/helm/main/scripts/get-helm-3 | bash

helm repo add prometheus-community https://prometheus-community.github.io/helm-charts

helm repo add grafana https://grafana.github.io/helm-charts

helm repo update

helm install monitoring prometheus-community/kube-prometheus-stack \

--namespace monitoring --create-namespace

kubectl get pods -n monitoring

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

kubectl port-forward svc/monitoring-grafana 3000:80 -n monitoring

 Use **ID 3119** for Kubernetes cluster monitoring.

 Use **ID 6417** for Node Exporter.

kubectl edit svc monitoring-kube-prometheus-prometheus -n monitoring

kubectl edit svc monitoring-grafana -n monitoring

kubectl get svc -n monitoring