```
Task: 1 install Istio
istio analyze
Install istio
curl -L https://istio.io/downloadIstio | sh -
mv istio-1.18.1/bin/istioctl /bin
istioctl install --set profile=demo -y
        default demo
                                         minimal
                                                         remote
                                                                         emptv
                                                                                 preview
        Core components
    istio-egressgateway
    istio-ingressgateway
    istiod
kubectl label namespace default istio-injection=enabled
cd istio-1.18.1/
kubectl create -f samples/addons/kiali.yaml
kubectl create -f samples/addons/prometheus.yaml
( make these apps service to nodeport service so that we can access them from browser )
kubectl get all --all-namespaces
kubectl -n istio-system get services
kubectl -n istio-system edit svc kiali
make it NodePort
kubectl get pods
istioctl analyze
Task 2: install bookinfo application and check no istio containers in it's pods
this application is example of canary deployment.
kubectl get namespaces --show-labels
kubectl create namespace noistio
kubectl apply --namespace=noistio -f samples/bookinfo/platform/kube/bookinfo.yaml
kubectl get pods --namespace=noistio
kubectl get all --namespace=noistio
Now goto the kiali dashboard and check your bookinfo application it will
show you sidecar missing..
kubectl delete namespace noistio
Task 3: enable istio on namespace and deploy bookinfo application
kubectl create namespace withistio
Enable istio in newly created namespace.
kubectl label namespace withistio istio-injection=enabled
kubectl apply --namespace=withistio -f samples/bookinfo/platform/kube/bookinfo.yaml
kubectl get pods --namespace=withistio
kubectl get all --namespace=withistio
```

kubectl get services --namespace=withistio

Change product service to nodeport and access it from browser

kubectl --namespace=withistio edit svc productpage

access product page using nodePort
kubectl --namespace=withistio get svc

than check kiali dashboard it will not show missing side-Car

kubectl get all --all-namespaces

Task: 4 install jaeger-operator Request Tracing tool

kubectl apply -f https://raw.githubusercontent.com/istio/release-1.17/samples/addons/jaeger.yaml

make accessable Jaeget
kubectl edit svc tracing -n istio-system
change type to NodePort
kubectl get svc -n istio-system

change tracing service to nodeport and access bookinfo application now see traces...