Lab4 Screenshots

```
npm ERR!         /Users/sufiyanmemon/.npm/_logs/2024-01-23T23_23_59_911z-debug-0.log
sufiyanmemon@Sufiyans-Air Lab4 % minikube start
😄    minikube v1.32.0 on Darwin 13.4 (arm64)
✨    Using the docker driver based on existing profile
👍    Starting control plane node minikube in cluster minikube
🚜    Pulling base image ...
🏃    Updating the running docker "minikube" container ...
🐳    Preparing Kubernetes v1.28.3 on Docker 24.0.7 ...
🔎    Verifying Kubernetes components...
       ▪ Using image gcr.io/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
```

```
VSI-digest. Sha256:7afe717e8add7472ffie120e507a7ded5eu5991e21d732d39e00
sufiyanmemon@Sufiyans-Air Lab4 % kompose convert
INFO Kubernetes file "dapp-service.yaml" created
INFO Kubernetes file "ganache-service.yaml" created
INFO Kubernetes file "react-service.yaml" created
INFO Kubernetes file "dapp-deployment.yaml" created
INFO Kubernetes file "ganache-deployment.yaml" created
INFO Kubernetes file "react-deployment.yaml" created
sufiyanmemon@Sufiyans-Air Lab4 %
```

```
     Done! Kubectl is now configured to use "minikube" cluster and "default" namespace by
sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f ganache-deployment.yaml
deployment.apps/ganache created
sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f ganache-service.yaml
service/ganache created
sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f dapp-deployment.yaml
deployment.apps/dapp created
sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f dapp-service.yaml
service/dapp created
sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f react-deployment.yaml
deployment.apps/react created
sufiyanmemon@Sufiyans-Air Lab4 % kubectl apply -f react-service.yaml
service/react created
```

```
sufiyanmemon@Sufiyans-Air Lab4 % kubectl get pods
NAME                      READY    STATUS     RESTARTS    AGE
dapp-65fdc95c66-qrfjw     1/1      Running    0           45s
ganache-7fc8fbfbc4-r6fq2  1/1      Running    0           68s
react-689f46c46c-lzrjp    1/1      Running    0           29s
```

```
react-689f46c46c-lzrjp    1/1      Running    0           29s
sufiyanmemon@Sufiyans-Air Lab4 % kubectl get services
NAME        TYPE         CLUSTER-IP      EXTERNAL-IP   PORT(S)    AGE
dapp        ClusterIP    10.100.234.243  <none>        4000/TCP   45s
ganache     ClusterIP    10.97.122.19    <none>        8545/TCP   62s
kubernetes  ClusterIP    10.96.0.1       <none>        443/TCP    84m
react       ClusterIP    10.99.233.173   <none>        3000/TCP   29s
sufiyanmemon@Sufiyans-Air Lab4 % minikube service react
```

```
sufiyanmemon@Sufiyans-Air Class % kubectl port-forward service/dapp 4000:4000
Forwarding from 127.0.0.1:4000 -> 4000
Forwarding from [::1]:4000 -> 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
Handling connection for 4000
```

```
sufiyanmemon@Sufiyans-Air Lab4 % minikube service react
|-----------|-------|-------------|-----------------|
| NAMESPACE | NAME  | TARGET PORT |      URL        |
|-----------|-------|-------------|-----------------|
| default   | react |             | No node port    |
|-----------|-------|-------------|-----------------|
🐱    service default/react has no node port
🏃    Starting tunnel for service react.
|-----------|-------|-------------|------------------------|
| NAMESPACE | NAME  | TARGET PORT |          URL           |
|-----------|-------|-------------|------------------------|
| default   | react |             | http://127.0.0.1:65122 |
|-----------|-------|-------------|------------------------|
🎉    Opening service default/react in default browser...
❗    Because you are using a Docker driver on darwin, the terminal needs to be open to run it.
```

127.0.0.1:65122

set message

| Set Message |
| Get Message |
| Compile Contract |
| Deploy Contract |

Contract compiled successfully!

set message

Set Message

Get Message

Compile Contract

Deploy Contract

0x4d531d8649A277D88026A244d09F082569CCC8e4

---

set message

Set Message

Get Message

Compile Contract

Deploy Contract

Hello World!

hello from sufiyan!!!

Set Message
Get Message
Compile Contract
Deploy Contract

0x061dad8f8b25c88bdeb562193010f40c83233e3a4d785afc4ea454eb75fe1a98

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hello from sufiyan!!!

Set Message
Get Message
Compile Contract
Deploy Contract

hello from sufiyan!!!