Assumptions : We have already done software installations:

Steps :-

1. Goto base folder (e.g. C:\tmp\)
2. Create a folder MicroserviceAssignment
3. Check necessary softwares: Open command Prompt at folder ‘C:\tmp\MicroserviceAssignment\’ and give following commands:-

C:\tmp\MicroserviceAssignment>**kubectl version --client**

WARNING: This version information is deprecated and will be replaced with the output from kubectl version --short. Use --output=yaml|json to get the full version.

Client Version: version.Info{Major:"1", Minor:"27", GitVersion:"v1.27.2", GitCommit:"7f6f68fdabc4df88cfea2dcf9a19b2b830f1e647", GitTreeState:"clean", BuildDate:"2023-05-17T14:20:07Z", GoVersion:"go1.20.4", Compiler:"gc", Platform:"windows/amd64"}

Kustomize Version: v5.0.1

C:\tmp\MicroserviceAssignment>**docker --version**

Docker version 24.0.2, build cb74dfc

C:\tmp\MicroserviceAssignment>**docker-compose --version**

Docker Compose version v2.19.1

C:\tmp\MicroserviceAssignment>**minikube version**

minikube version: v1.30.1

commit: 08896fd1dc362c097c925146c4a0d0dac715ace0

1. Create another folder "C:\tmp\MicroserviceAssignment\MS1" which contains microservice 1 code. This microservice is in .Net core 6. Refer steps "C:\tmp\MicroserviceAssignment\MS1\STEPS.txt" for creation of microservice 1.
2. Create another folder "C:\tmp\MicroserviceAssignment\MS2" which contains microservice 2 code. The microservice is **auth\_svc** is responsible for user authentication.

References:-

1. Bits Pilani course,
2. Bits Pilani Teams meetings
3. <https://yuchen52.medium.com/developing-microservices-with-minikube-81b31e5366ac> and https://github.com/yzhong52/microservices-demo
4. https://www.youtube.com/watch?v=Najm4d4hy4w