1. Snap installation -  
   sudo apt install snapd
2. Microk8s installation -  
   sudo snap install microk8s --classic
3. Watch microk8s.kubectl get all --all-namespaces
4. Microk8s.enable dashboard
5. Microk8s.kubectl proxy -  
   <http://localhost:8001/api/v1/namespaces/kube-system/services/https:kubernetes-dashboard:/proxy/>
6. Python3 and pip3 -  
   sudo apt-get install python3-pip
7. Pip3 install flask
8. Microk8s.enable registry
9. Write Dockerfile.
10. Write test\_server.py
11. Write kubetest.yaml
12. Test app on flask -  
    FLASK\_APP=test\_server.py flask run
13. Check localhost:5000 to see the results.
14. Push and tag the image on docker -  
    microk8s.docker build -t localhost:registry\_port/kubetest:v1.0.0 .  
    microk8s.docker push localhost:registry\_port/kubetest:v1.0.0
15. Cluster set-up -  
    Microk8s.kubectl apply -f kubetest.yaml
16. Check the resulting pods -  
    Microk8s.kubectl get pods
17. Check the resulting services -  
    Microk8s.kubectl get svc
18. Connection to web service -  
    Curl -i localhost:service\_port
19. Logs -  
    Microk8s.kubectl logs svc/kubetest
20. Different endpoints -  
    Curl -i localhost:service\_port/endpoint\_name