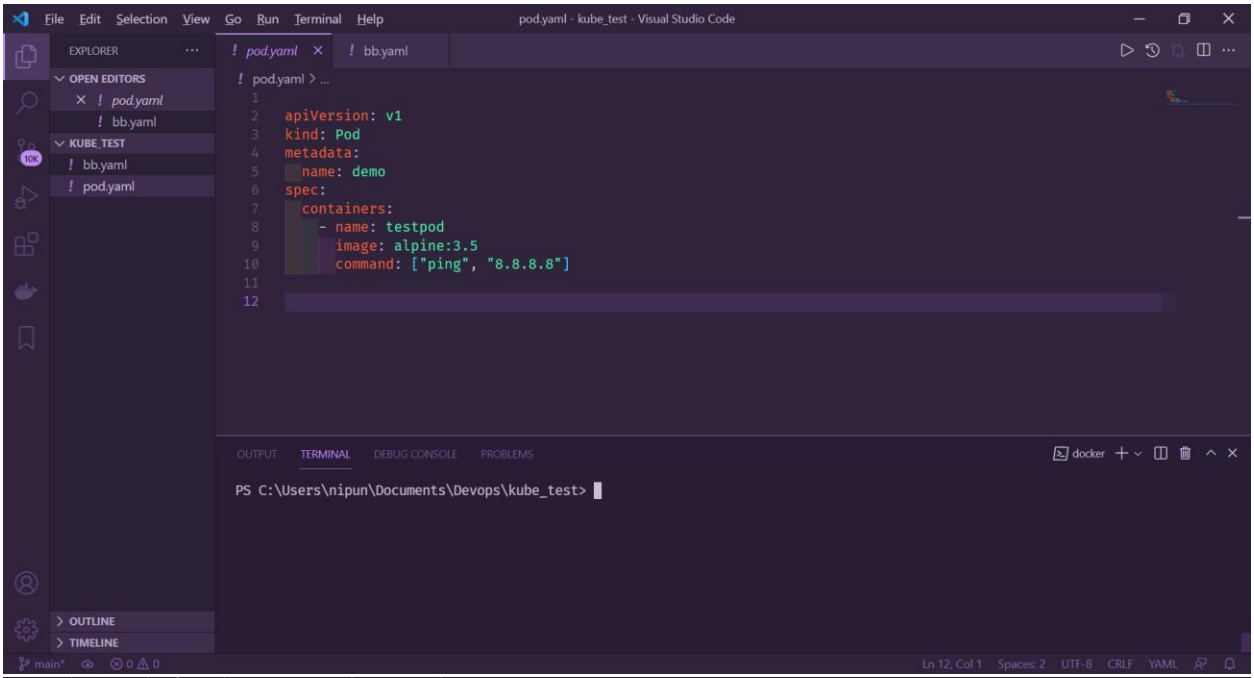
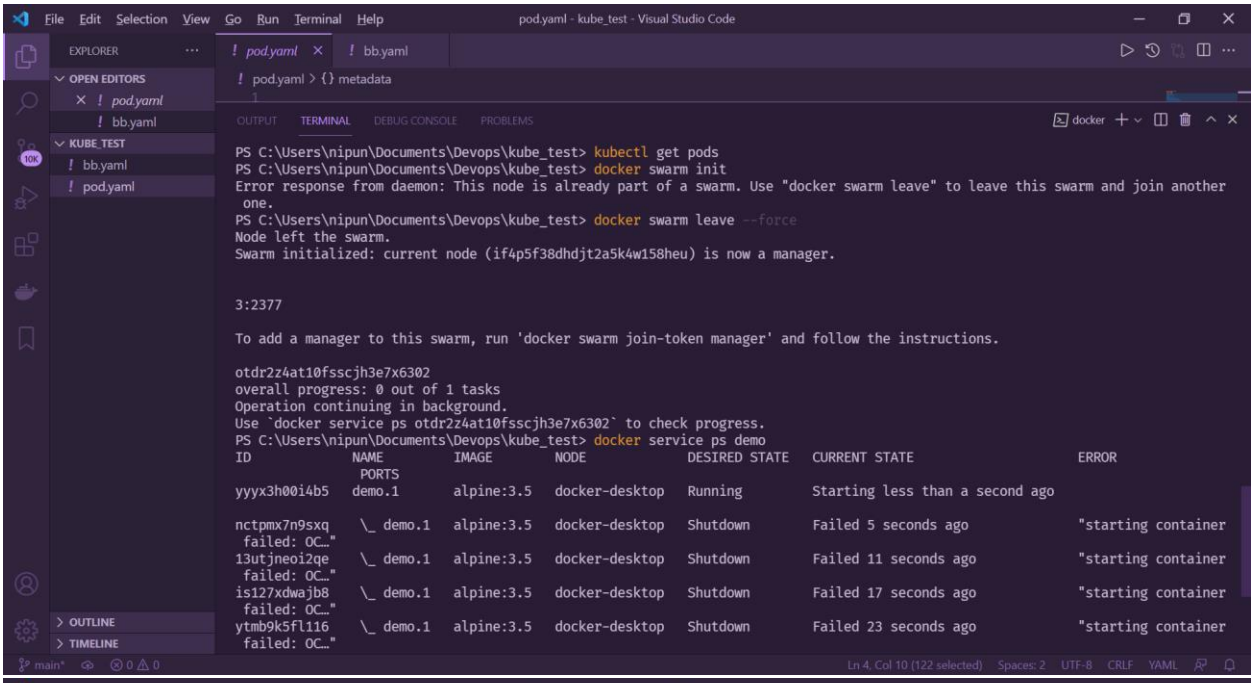
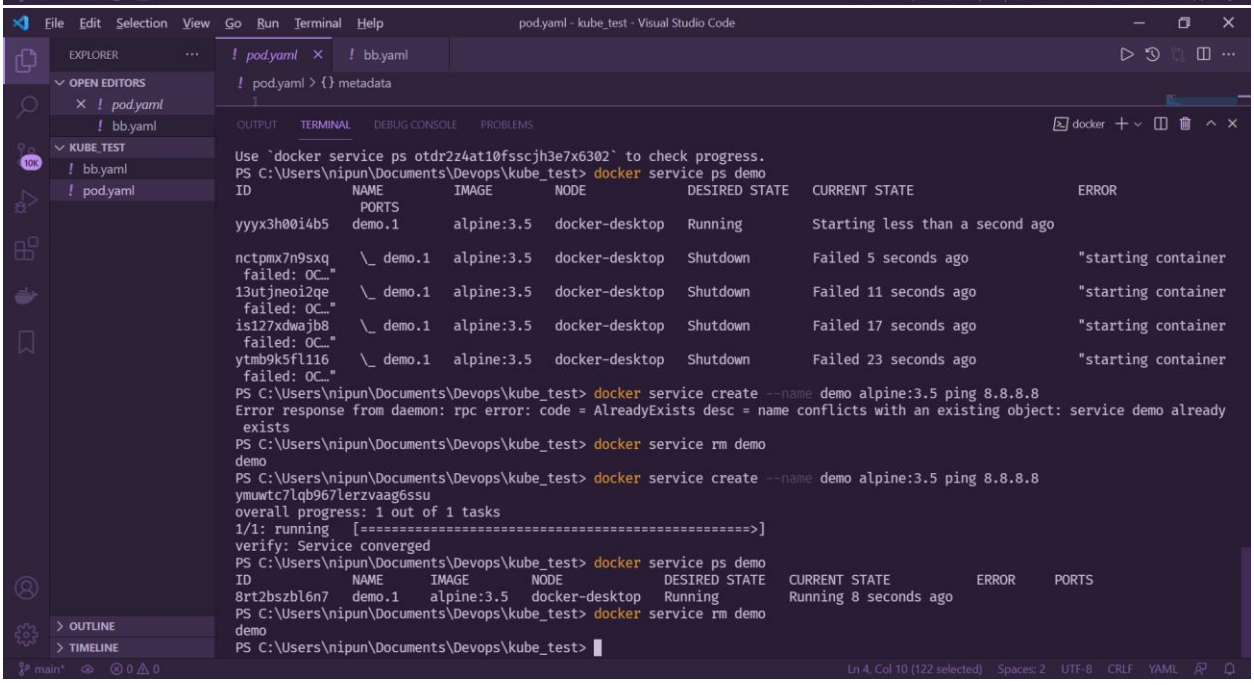
Pod.yaml file




```
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl apply -f pod.yaml
pod/demo created
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl get pods
NAME                      READY   STATUS              RESTARTS   AGE
bb-demo-bb6449bb9-2d9fw   1/1     Running             7          5h29m
demo                      0/1     ContainerCreating   0          5s
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl logs demo
PING 8.8.8.8 (8.8.8.8): 56 data bytes
64 bytes from 8.8.8.8: seq=0 ttl=37 time=20.277 ms
64 bytes from 8.8.8.8: seq=1 ttl=37 time=26.678 ms
64 bytes from 8.8.8.8: seq=2 ttl=37 time=20.281 ms
64 bytes from 8.8.8.8: seq=3 ttl=37 time=20.380 ms
64 bytes from 8.8.8.8: seq=4 ttl=37 time=20.265 ms
64 bytes from 8.8.8.8: seq=5 ttl=37 time=20.737 ms
64 bytes from 8.8.8.8: seq=6 ttl=37 time=23.235 ms
64 bytes from 8.8.8.8: seq=7 ttl=37 time=20.015 ms
64 bytes from 8.8.8.8: seq=8 ttl=37 time=19.937 ms
64 bytes from 8.8.8.8: seq=9 ttl=37 time=19.890 ms
64 bytes from 8.8.8.8: seq=10 ttl=37 time=19.888 ms
64 bytes from 8.8.8.8: seq=11 ttl=37 time=19.767 ms
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl delete -f pod.yaml
pod "demo" deleted
```


File Edit Selection View Go Run Terminal Help
pod.yaml - kube_test - Visual Studio Code
EXPLORER
OPEN EDITORS
pod.yaml
bb.yaml
KUBE_TEST
bb.yaml
pod.yaml
OUTLINE
TIMELINE
pod.yaml > {} metadata
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS
docker
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl get pods
PS C:\Users\nipun\Documents\Devops\kube_test> docker swarm init
Error response from daemon: This node is already part of a swarm. Use "docker swarm leave" to leave this swarm and join another one.
PS C:\Users\nipun\Documents\Devops\kube_test> docker swarm leave --force
Node left the swarm.
Swarm initialized: current node (if4p5f38dhdjt2a5k4w158heu) is now a manager.
3:2377
To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
otdr2z4at10fsscjh3e7x6302
overall progress: 0 out of 1 tasks
Operation continuing in background.
Use `docker service ps otdr2z4at10fsscjh3e7x6302` to check progress.
PS C:\Users\nipun\Documents\Devops\kube_test> docker service ps demo
ID NAME IMAGE NODE DESIRED STATE CURRENT STATE ERROR PORTS
yyyx3h00i4b5 demo.1 alpine:3.5 docker-desktop Running Starting less than a second ago
nctpmx7n9sxq _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 5 seconds ago "starting container failed: OC…"
13utjneoi2qe _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 11 seconds ago "starting container failed: OC…"
is127xdwajb8 _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 17 seconds ago "starting container failed: OC…"
ytmb9k5fl116 _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 23 seconds ago "starting container failed: OC…"
main*
Ln 4, Col 10 (122 selected) Spaces: 2 UTF-8 CRLF YAML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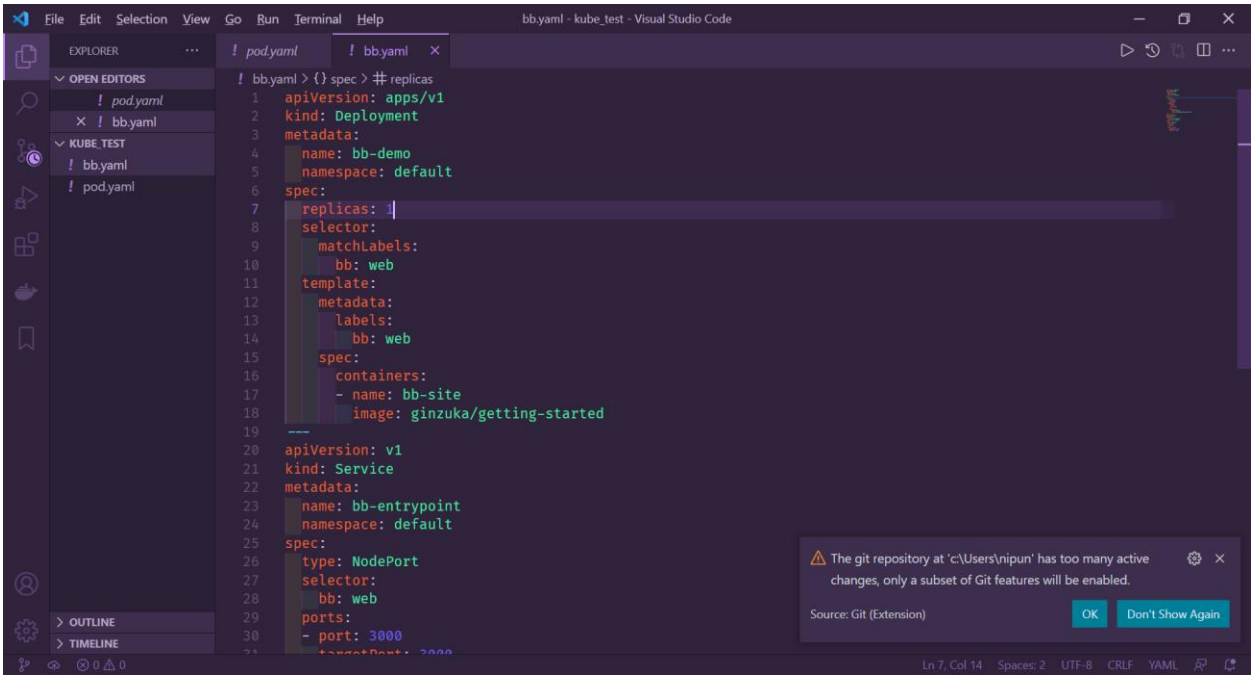
KUBE_TEST
bb.yaml
pod.yaml
OUTLINE
TIMELINE
pod.yaml > {} metadata
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS
docker
Use `docker service ps otdr2z4at10fsscjh3e7x6302` to check progress.
PS C:\Users\nipun\Documents\Devops\kube_test> docker service ps demo
ID NAME IMAGE NODE DESIRED STATE CURRENT STATE ERROR PORTS
yyyx3h00i4b5 demo.1 alpine:3.5 docker-desktop Running Starting less than a second ago
nctpmx7n9sxq _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 5 seconds ago "starting container failed: OC…"
13utjneoi2qe _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 11 seconds ago "starting container failed: OC…"
is127xdwajb8 _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 17 seconds ago "starting container failed: OC…"
ytmb9k5fl116 _ demo.1 alpine:3.5 docker-desktop Shutdown Failed 23 seconds ago "starting container failed: OC…"
PS C:\Users\nipun\Documents\Devops\kube_test> docker service create --name demo alpine:3.5 ping 8.8.8.8
Error response from daemon: rpc error: code = AlreadyExists desc = name conflicts with an existing object: service demo already exists
PS C:\Users\nipun\Documents\Devops\kube_test> docker service rm demo
demo
PS C:\Users\nipun\Documents\Devops\kube_test> docker service create --name demo alpine:3.5 ping 8.8.8.8
ymuwtc7lqb967lerzvaag6ssu
overall progress: 1 out of 1 tasks
1/1: running [==========>]
verify: Service converged
PS C:\Users\nipun\Documents\Devops\kube_test> docker service ps demo
ID NAME IMAGE NODE DESIRED STATE CURRENT STATE ERROR PORTS
8rt2bszbl6n7 demo.1 alpine:3.5 docker-desktop Running Running 8 seconds ago
PS C:\Users\nipun\Documents\Devops\kube_test> docker service rm demo
demo
PS C:\Users\nipun\Documents\Devops\kube_test>
main*
Ln 4, Col 10 (122 selected) Spaces: 2 UTF-8 CRLF YAML

bb.yaml file




```
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl apply -f bb.yaml
deployment.apps/bb-demo unchanged
service/bb-entrypoint unchanged
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl get deployments
NAME      READY   UP-TO-DATE   AVAILABLE   AGE
bb-demo   1/1     1            1           22h
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl get services
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
bb-entrypoint   NodePort    10.103.199.96   <none>        3000:30001/TCP   22h
kubernetes      ClusterIP   10.96.0.1       <none>        443/TCP          42h
PS C:\Users\nipun\Documents\Devops\kube_test> kubectl delete -f bb.yaml
deployment.apps "bb-demo" deleted
service "bb-entrypoint" deleted
```

bb-entrypoint service running on port 30001