

## TASK-4

### Configure port to Jenkins:

```
root@HP: ~  
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 5.15.167.4-microsoft-standard-WSL2 x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/pro  
  
System information as of Fri Mar 21 03:47:53 UTC 2025  
  
System load:  0.76      Processes:            48  
Usage of /:   0.8% of 1006.85GB   Users logged in:    0  
Memory usage: 22%      IPv4 address for eth0: 172.23.133.129  
Swap usage:   0%  
  
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s  
just raised the bar for easy, resilient and secure K8s cluster deployment.  
  
https://ubuntu.com/engage/secure-kubernetes-at-the-edge  
  
This message is shown once a day. To disable it please create the  
/root/.hushlogin file.  
root@HP:~# sudo nano service.yaml  
root@HP:~#
```

```
GNU nano 7.2 service.yaml  
apiVersion: v1  
kind: Service  
metadata:  
  name: my-app  
  namespace: default  
spec:  
  type: NodePort # Ensures external access via a specific port  
  selector:  
    app: my-app  
  ports:  
    - protocol: TCP  
      port: 80 # Service port inside the cluster  
      targetPort: 8080 # The container's port  
      nodePort: 30391 # Externally accessible port
```