DEPLOYMENT.YAML

```
apiVersion: apps/v1
kind: Deployment
metadata:
 name: nginx-deployment1
spec:
 replicas: 2 # Start with 2 replicas
  selector:
   matchLabels:
     app: nginx
  template:
    metadata:
     labels:
       app: nginx
   spec:
      containers:
       - name: nginx
         image: nginx:latest # Public Nginx image
          ports:
           - containerPort: 80
```

SERVICE.YAML

```
apiVersion: v1
kind: Service
metadata:
   name: nginx-service1
spec:
   selector:
    app: nginx
   ports:
    - protocol: TCP
        port: 80  # Exposing port 80 externally
        targetPort: 80  # Port inside the container
   type: NodePort  # Use NodePort for local access
```

DEPLOYMENT 2

 PS D:\DEVOPS\kubernetes\publicImage> kubectl apply -f deployment.yaml deployment.apps/nginx-deployment1 created 									
PS D:\DEVOPS\kubernetes\publicImage> kubectl apply -f service.yaml									
service/nginx-service1 created									
PS D:\DEVOPS\kubernetes\publicImage> kubectl get deployments									
NAME	READY	UP-TO-DATE	AVAILABLE	AGE					
nginx-deployment	2/2	2	2	6m52s					
nginx-deployment1	2/2	2	2	6s					
spring-boot-deployment1	3/3	3	3	4d10h					
webapp-deployment	0/2	2	0	27h					

DEPLOYMENT 4

 PS D:\DEVOPS\kubernetes\publicImage> kubectl scale deployment nginx-deploymentreplicas=4 deployment.apps/nginx-deployment scaled 								
PS D:\DEVOPS\kubernetes\publicImage> kubectl get deployments								
NAME	READY	UP-TO-DATE	AVAILABLE	AGE				
nginx-deployment	2/4	4	2	7m27s				
nginx-deployment1	2/2	2	2	41s				
spring-boot-deployment1	3/3	3	3	4d10h				
webapp-deployment	0/2	2	0	27h				

Nginx-service1 : localhost:31305

webapp-deployment	0/2 2	в	2/n						
PS D:\DEVOPS\kubernetes\publicImage> kubectl get service									
NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE				
kubernetes	ClusterIP	10.43.0.1	<none></none>	443/TCP	45d				
nginx-service	NodePort	10.43.39.124	<none></none>	80:31134/TCP	7m57s				
nginx-service1	NodePort	10.43.234.80	<none></none>	80:31305/TCP	74s				
spring-boot-service1	LoadBalancer	10.43.31.186	192.168.127.2	8080:31889/TCP	4d10h				
webapp-service	LoadBalancer	10.43.8.123	<pending></pending>	80:31420/TCP	27h				

