Домашна 9 - Kubernetes 4

1. nano deployment-ver1.yaml

```
GNU nano 8.3                          deployment-ver1.yaml                         Modified
apiVersion: apps/v1
kind: Deployment
metadata:
  name: kube-homework-v1
spec:
  replicas: 2
  selector:
    matchLabels:
      app: kube-homework-v1
  template:
    metadata:
      labels:
        app: kube-homework-v1
    spec:
      containers:
        - name: nginx
          image: makroivanovsk1/kube-homework:1.0
          ports:
            - containerPort: 80
```

2. nano deployment-ver2.yaml

```
GNU nano 8.3                          deployment-ver2.yaml                         Modified
apiVersion: apps/v1
kind: Deployment
metadata:
  name: kube-homework-v2
spec:
  replicas: 2
  selector:
    matchLabels:
      app: kube-homework-v2
  template:
    metadata:
      labels:
        app: kube-homework-v2
    spec:
      containers:
        - name: nginx
          image: markoivanovsk1/kube-homework:2.0
          ports:
            - containerPort: 80
```

3. nano service-ver1.yaml

```
GNU nano 8.3                          service-ver1.yaml                            Modified
apiVersion: v1
kind: Service
metadata:
  name: svc-ver1
spec:
  selector:
    app: kube-homework-v1
  ports:
    - port: 80
      targetPort: 80
```

4. nano service-ver2.yaml

```
GNU nano 8.3                          service-ver2.yaml                            Modified
apiVersion: v1
kind: Service
metadata:
  name: svc-ver2
spec:
  selector:
    app: kube-homework-v2
  ports:
    - port: 80
      targetPort: 80
```

5. nano ingress.yaml

```
  GNU nano 8.3                                    ingress.yaml                                    Modified
apiVersion: networking.k8s.io/v1
kind: Ingress
metadata:
  name: kube-homework-ingress
  annotations:
    traefik.ingress.kubernetes.io/router.entrypoints: web
spec:
  rules:
    # Host-based: ver1.226089.com
    - host: ver1.226089.com
      http:
        paths:
          - path: /
            pathType: Prefix
            backend:
              service:
                name: svc-ver1
                port:
                  number: 80

    # Host-based: ver2.226089.com
    - host: ver2.226089.com
      http:
        paths:
          - path: /
            pathType: Prefix
            backend:
              service:
                name: svc-ver2
                port:
                  number: 80

    # Path-based: localhost/ver1
    - host: localhost
      http:
        paths:
          - path: /ver1
            pathType: Prefix
            backend:
              service:
                name: svc-ver1
                port:
                  number: 80
          - path: /ver2
            pathType: Prefix
            backend:
              service:
                name: svc-ver2
                port:
                  number: 80
```

6. kubectl apply

```
marko@Marko-PC MINGW64 /D/FINKI/Semester-6/KIII/Domasna-9
$ kubectl apply -f deployment-ver1.yaml
deployment.apps/kube-homework-v1 created

marko@Marko-PC MINGW64 /D/FINKI/Semester-6/KIII/Domasna-9
$ kubectl apply -f deployment-ver2.yaml
deployment.apps/kube-homework-v2 created

marko@Marko-PC MINGW64 /D/FINKI/Semester-6/KIII/Domasna-9
$ kubectl apply -f service-ver1.yaml
service/svc-ver1 created

marko@Marko-PC MINGW64 /D/FINKI/Semester-6/KIII/Domasna-9
$ kubectl apply -f service-ver2.yaml
service/svc-ver2 created

marko@Marko-PC MINGW64 /D/FINKI/Semester-6/KIII/Domasna-9
$ kubectl apply -f ingress.yaml
ingress.networking.k8s.io/kube-homework-ingress unchanged
```
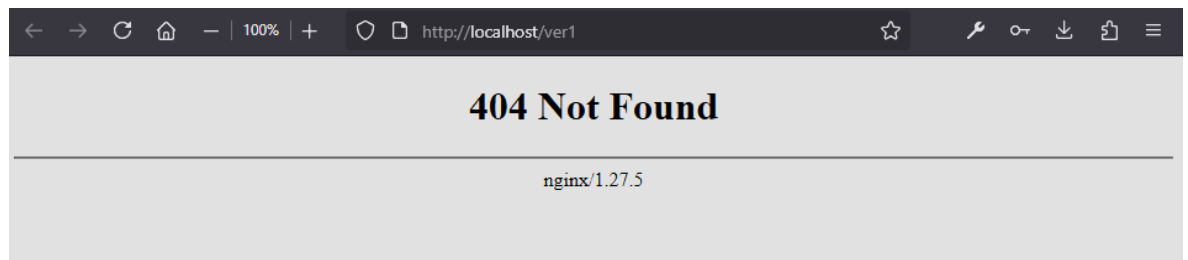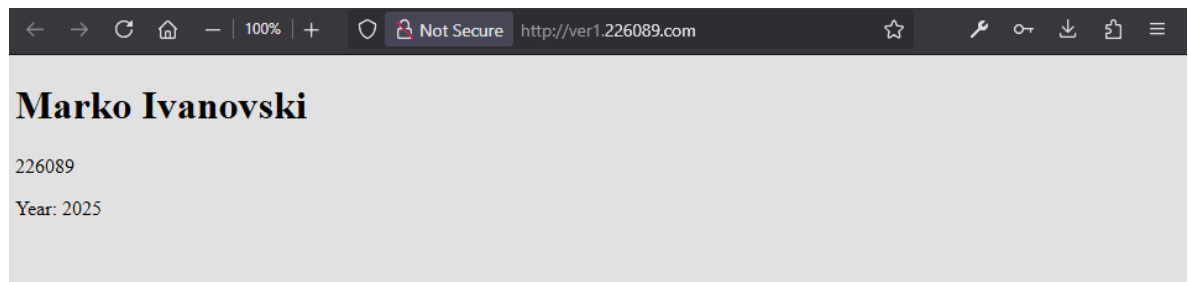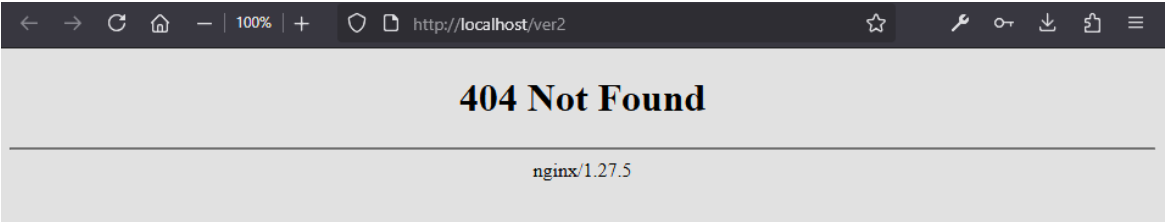
7. Version 1
   - Localhost:

http://localhost/ver1

404 Not Found

nginx/1.27.5

   - Hosts:

Not Secure http://ver1.226089.com

Marko Ivanovski

226089

Year: 2025

8. Version 2
   - Localhost:

404 Not Found

---

nginx/1.27.5

- Hosts:

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