```
                                                                                                                                    — □  ×
C:\Windows\System32\cmd.exe
    --skip_headers                      If true, avoid header prefixes in the log messages
    --skip_log_headers                  If true, avoid headers when opening log files (no effect when -logtostderr=true)
    --stderrthreshold severity          logs at or above this threshold go to stderr when writing to files and stderr (no effect when -logtostderr=true or -alsologtost
derr=false) (default 2)
 -v, --v Level                          number for the log level verbosity
    --vmodule moduleSpec                comma-separated list of pattern=N settings for file-filtered logging
flag needs an argument: 'v' in -v

C:\minikube>minikube --version
Error: unknown flag: --version
See 'minikube --help' for usage.

C:\minikube>minikube version
minikube version: v1.30.1
commit: 08896fd1dc362c097c925146c4a0d0dac715ace0

C:\minikube>minikube start --driver=docker
* minikube v1.30.1 on Microsoft Windows 10 Pro 10.0.18363.778 Build 18363.778
* Using the docker driver based on existing profile
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Restarting existing docker container for "minikube" ...
* Preparing Kubernetes v1.26.3 on Docker 23.0.2 ...
* Configuring bridge CNI (Container Networking Interface) ...
* Verifying Kubernetes components...
  - Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: storage-provisioner, default-storageclass
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default

C:\minikube>
```
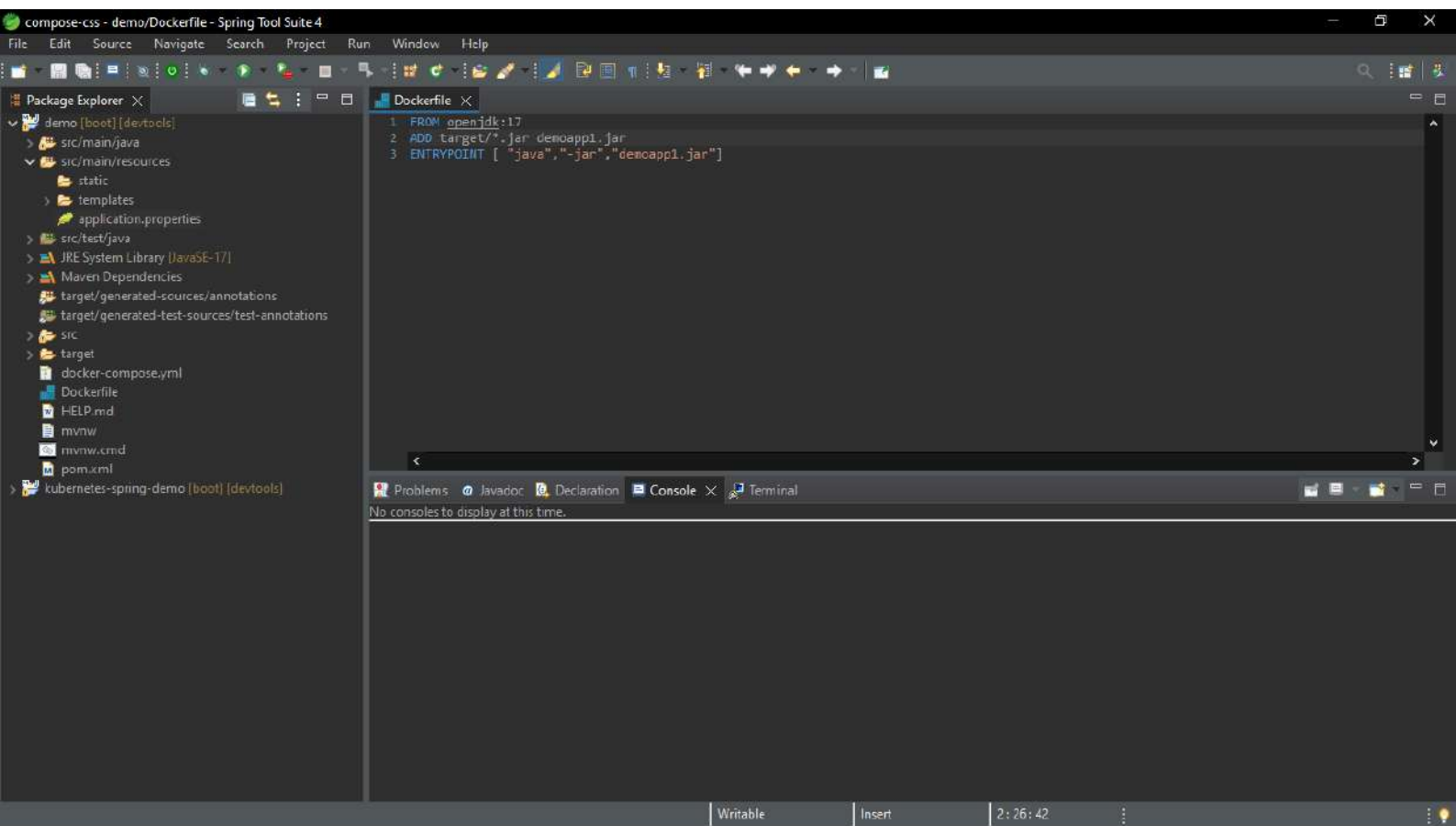
```
C:\Windows\System32\cmd.exe                                                                                        ─  □  ✕

Microsoft Windows [Version 10.0.18363.778]
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C:\minikube>minikube -v
flag needs an argument: 'v' in -v
Usage of minikube:
      --add_dir_header                   If true, adds the file directory to the header of the log messages
      --alsologtostderr                  log to standard error as well as files (no effect when -logtostderr=true)
  -h, --help
      --log_backtrace_at traceLocation   when logging hits line file:N, emit a stack trace (default :0)
      --log_dir string                   If non-empty, write log files in this directory (no effect when -logtostderr=true)
      --log_file string                  If non-empty, use this log file (no effect when -logtostderr=true)
      --log_file_max_size uint           Defines the maximum size a log file can grow to (no effect when -logtostderr=true). Unit is megabytes. If the value is 0, the m
aximum file size is unlimited. (default 1800)
      --logtostderr                      log to standard error instead of files (default true)
      --one_output                       If true, only write logs to their native severity level (vs also writing to each lower severity level; no effect when -logtostd
err=true)
      --skip_headers                     If true, avoid header prefixes in the log messages
      --skip_log_headers                 If true, avoid headers when opening log files (no effect when -logtostderr=true)
      --stderrthreshold severity         logs at or above this threshold go to stderr when writing to files and stderr (no effect when -logtostderr=true or -alsologtost
derr=false) (default 2)
  -v, --v Level                          number for the log level verbosity
      --vmodule moduleSpec               comma-separated list of pattern=N settings for file-filtered logging
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Error: unknown flag: --version
See 'minikube --help' for usage.

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* minikube v1.30.1 on Microsoft Windows 10 Pro 10.0.18363.778 Build 18363.778
* Using the docker driver based on existing profile
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Restarting existing docker container for "minikube" ...
* Preparing Kubernetes v1.26.3 on Docker 23.0.2 ...
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* Verifying Kubernetes components...
  - Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: storage-provisioner, default-storageclass
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
```

kubeconfig: Configured

C:\minikube>kubectl cluster-info
Kubernetes control plane is running at https://127.0.0.1:62198
CoreDNS is running at https://127.0.0.1:62198/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

C:\minikube>kubectl get node
NAME   STATUS   ROLES   AGE   VERSION
minikube   Ready   control-plane   16h   v1.26.3

C:\minikube>minikube -docker-env
flag needs an argument: 'v' in -v
Usage of minikube:
      --add_dir_header   If true, adds the file directory to the header of the log messages
      --alsologtostderr   log to standard error as well as files (no effect when -logtostderr=true)
  -h, --help
      --log_backtrace_at traceLocation   when logging hits line file:N, emit a stack trace (default :0)
      --log_dir string   If non-empty, write log files in this directory (no effect when -logtostderr=true)
      --log_file string   If non-empty, use this log file (no effect when -logtostderr=true)
      --log_file_max_size uint   Defines the maximum size a log file can grow to (no effect when -logtostderr=true). Unit is megabytes. If the value is 0, the m
aximum file size is unlimited. (default 1800)
      --logtostderr   log to standard error instead of files (default true)
      --one_output   If true, only write logs to their native severity level (vs also writing to each lower severity level; no effect when -logtostd
err=true)
      --skip_headers   If true, avoid header prefixes in the log messages
      --skip_log_headers   If true, avoid headers when opening log files (no effect when -logtostderr=true)
      --stderrthreshold severity   logs at or above this threshold go to stderr when writing to files and stderr (no effect when -logtostderr=true or -alsologtost
derr=false) (default 2)
  -v, --v Level   number for the log level verbosity
      --vmodule moduleSpec   comma-separated list of pattern=N settings for file-filtered logging
flag needs an argument: 'v' in -v

C:\minikube>minikube docker-env
SET DOCKER_TLS_VERIFY=1
SET DOCKER_HOST=tcp://127.0.0.1:62195
SET DOCKER_CERT_PATH=C:\Users\User\.minikube\certs
SET MINIKUBE_ACTIVE_DOCKERD=minikube
REM To point your shell to minikube's docker-daemon, run:
REM @FOR /f "tokens=*" %i IN ('minikube -p minikube docker-env --shell cmd') DO @%i

C:\minikube>@FOR /f "tokens=*" %i IN ('minikube -p minikube docker-env --shell cmd') DO @%i

C:\minikube>docker images

```
C:\Windows\System32\cmd.exe

SET MINIKUBE_ACTIVE_DOCKERD=minikube
REM To point your shell to minikube's docker-daemon, run:
REM @FOR /f "tokens=*" %i IN ('minikube -p minikube docker-env --shell cmd') DO @%i

C:\minikube>@FOR /f "tokens=*" %i IN ('minikube -p minikube docker-env --shell cmd') DO @%i

C:\minikube>docker images
REPOSITORY                                TAG       IMAGE ID       CREATED        SIZE
mysql                                     latest    8189e588b0e8   10 days ago    564MB
registry.k8s.io/kube-apiserver            v1.26.3   1d9b3cbae03c   6 weeks ago    134MB
registry.k8s.io/kube-scheduler            v1.26.3   5a7904736932   6 weeks ago    56.4MB
registry.k8s.io/kube-controller-manager   v1.26.3   ce8c2293ef09   6 weeks ago    123MB
registry.k8s.io/kube-proxy                v1.26.3   92ed2bec97a6   6 weeks ago    65.6MB
registry.k8s.io/etcd                      3.5.6-0   fce326961ae2   5 months ago   299MB
registry.k8s.io/pause                     3.9       e6f181688397   6 months ago   744kB
registry.k8s.io/coredns/coredns           v1.9.3    5185b96f0bec   11 months ago  48.8MB
gcr.io/k8s-minikube/storage-provisioner   v5        6e38f40d628d   2 years ago    31.5MB

C:\minikube>
```

```
E:\kubernates\demo>docker build -t demoapp1.jar .
[+] Building 10.7s (2/3)
 => [internal] load build definition from Dockerfile                                    0.8s
[+] Building 11.7s (2/3)
 => [internal] load build definition from Dockerfile                                    0.8s
[+] Building 31.6s (8/8) FINISHED
 => [internal] load build definition from Dockerfile                                    0.8s
 => => transferring dockerfile: 128B                                                    0.2so => [internal] load .dockerignore
                                                     0.2s
 => => transferring context: 2B                                                         0.0so => [internal] load metadata for docker.io/libra
ry/openjdk:17                                        5.4s
 => [auth] library/openjdk:pull token for registry-1.docker.io                          0.0s
 => [internal] load build context                                                       9.2s
 => => transferring context: 22.65MB                                                    8.9s
 => CACHED [1/2] FROM docker.io/library/openjdk:17@sha256:528707081fdb9562eb819128a9f85ae7fe000e2fbaeaf9f87662e7b  0.0s
 => [2/2] ADD target/*.jar demoapp1.jar                                                 3.3s
 => exporting to image                                                                  4.4s
 => => exporting layers                                                                 4.2s
 => => writing image sha256:32a99c593666334698ff2cb08ab02a207affde4c496ae47f480779ef5dbac992  0.0s
 => => naming to docker.io/library/demoapp1.jar                                         0.0s

E:\kubernates\demo> docker images
REPOSITORY                           TAG                                            IMAGE ID       CREATED          S
IZE
demoapp1.jar                         latest                                         32a99c593666   42 seconds ago   4
94MB
demo-server                          latest                                         8c06caf778ab   3 hours ago      4
94MB
img                                  latest                                         8c06caf778ab   3 hours ago      4
94MB
<none>                               <none>                                         de66d94e3218   17 hours ago     5
15MB
app                                  latest                                         75b2b647aee5   20 hours ago     5
15MB
springboot-app                       latest                                         39113f8e489a   20 hours ago     5
15MB
spring-boot-img                      latest                                         75d985392e25   24 hours ago     5
15MB
spring-boot-docker-full-final        latest                                         acab1dbed3b1   24 hours ago     5
15MB
docker                               latest                                         70cbbc2855e3   36 hours ago     3
18MB
web-app                              latest                                         319b096fe2b5   3 days ago       4
65MB
i1                                   latest                                         07a32d9c3fb9   6 days ago       1
```
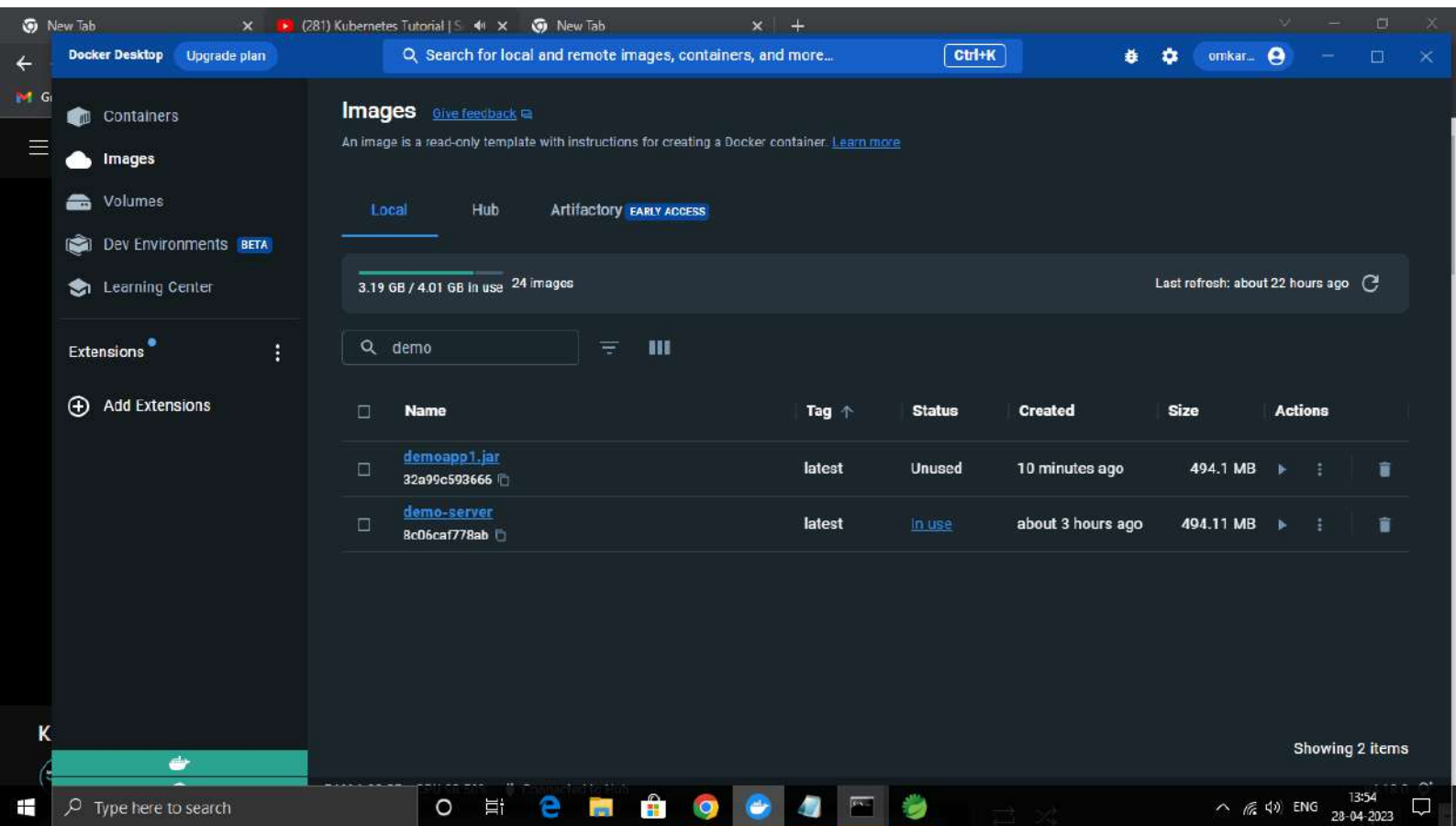
```
registry.k8s.io/kube-proxy                  v1.25.4                              2c2bc1864279   5 months ago    61
.7MB
registry.k8s.io/kube-controller-manager     v1.25.4                              8f59f6dfaed6   5 months ago    11
7MB
registry.k8s.io/kube-scheduler              v1.25.4                              e2d17ec744c1   5 months ago    50
.6MB
registry.k8s.io/etcd                        3.5.5-0                              4694d02f8e61   7 months ago    30
0MB
registry.k8s.io/pause                       3.8                                  4873874c08ef   10 months ago   71
1kB
registry.k8s.io/coredns/coredns             v1.9.3                               5185b96f0bec   11 months ago   48
.8MB
hello-world                                 latest                               feb5d9fea6a5   19 months ago   13
.3kB
docker/desktop-vpnkit-controller            v2.0                                 8c2c38aa676e   24 months ago   21
MB
docker/desktop-storage-provisioner          v2.0                                 99f89471f470   2 years ago     41
.9MB

E:\kubernates\demo>kubectl create deployment firstkube --image=demoapp1.jar:latest --port=7474
deployment.apps/firstkube created

E:\kubernates\demo>_
```

Docker Desktop   Upgrade plan   🔍 Search for local and remote images, containers, and more...   `Ctrl+K`   omkar...

- Containers
- **Images**
- Volumes
- Dev Environments `BETA`
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Extensions

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Images   Give feedback

An image is a read-only template with instructions for creating a Docker container. Learn more

| Local | Hub | Artifactory `EARLY ACCESS` |

3.19 GB / 4.01 GB in use   24 images   Last refresh: about 22 hours ago ↻

🔍 demo

	Name	Tag ↑	Status	Created	Size	Actions
☐	demoapp1.jar 32a99c593666 📋	latest	Unused	10 minutes ago	494.1 MB	▶ ⋮ 🗑
☐	demo-server 8c06caf778ab 📋	latest	In use	about 3 hours ago	494.11 MB	▶ ⋮ 🗑

Showing 2 items

```
Command Prompt                                                                    —  □  ×

registry.k8s.io/kube-proxy                    v1.25.4                    2c2bc1864279   5 months ago   61
.7MB
registry.k8s.io/kube-controller-manager       v1.25.4                    8f59f6dfaed6   5 months ago   11
7MB
registry.k8s.io/kube-scheduler                v1.25.4                    e2d17ec744c1   5 months ago   50
.6MB
registry.k8s.io/etcd                          3.5.5-0                    4694d02f8e61   7 months ago   30
0MB
registry.k8s.io/pause                         3.8                        4873874c08ef   10 months ago  71
1kB
registry.k8s.io/coredns/coredns               v1.9.3                     5185b96f0bec   11 months ago  48
.8MB
hello-world                                   latest                     feb5d9fea6a5   19 months ago  13
.3kB
docker/desktop-vpnkit-controller              v2.0                       8c2c38aa676e   24 months ago  21
MB
docker/desktop-storage-provisioner            v2.0                       99f89471f470   2 years ago    41
.9MB

E:\kubernates\demo>kubectl create deployment firstkube --image=demoapp1.jar:latest --port=7474
deployment.apps/firstkube created

E:\kubernates\demo>kubectl get deployment
NAME               READY     UP-TO-DATE     AVAILABLE     AGE
first-deployment   0/1       1              0             53m
firstkube          0/1       1              0             116s

E:\kubernates\demo>
```

```
Microsoft Windows [Version 10.0.18363.778]
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E:\kubernates\demo>kubectl get deployment
Unable to connect to the server: net/http: TLS handshake timeout

E:\kubernates\demo>kubectl get deployment
Unable to connect to the server: net/http: TLS handshake timeout

E:\kubernates\demo>kubectl get deployment
NAME                READY   UP-TO-DATE   AVAILABLE   AGE
first-deployment    0/1     1            0           78m
firstkube           0/1     1            0           27m

E:\kubernates\demo>kubectl describe deployment firstkube
Name:                   firstkube
Namespace:              default
CreationTimestamp:      Fri, 28 Apr 2023 13:53:28 +0530
Labels:                 app=firstkube
Annotations:            deployment.kubernetes.io/revision: 1
Selector:               app=firstkube
Replicas:               1 desired | 1 updated | 1 total | 0 available | 1 unavailable
StrategyType:           RollingUpdate
MinReadySeconds:        0
RollingUpdateStrategy:  25% max unavailable, 25% max surge
Pod Template:
  Labels:  app=firstkube
  Containers:
   demoapp1-jar-vbmmk:
    Image:        demoapp1.jar:latest
    Port:         7474/TCP
    Host Port:    0/TCP
    Environment:  <none>
    Mounts:       <none>
  Volumes:        <none>
Conditions:
  Type           Status  Reason
  ----           ------  ------
  Available      False   MinimumReplicasUnavailable
  Progressing    False   ProgressDeadlineExceeded
OldReplicaSets:  <none>
NewReplicaSet:   firstkube-b5d47fbd9 (1/1 replicas created)
Events:
  Type    Reason            Age    From                   Message
  ----    ------            ----   ----                   -------
  Normal  ScalingReplicaSet  28m    deployment-controller  Scaled up replica set firstkube-b5d47fbd9 to 1
```

```
C:\Windows\System32\cmd.exe                                                                                 —  □  ×

Name:              demo-797fd596b4-xvg7j
Namespace:         default
Priority:          0
Service Account:   default
Node:              minikube/192.168.49.2
Start Time:        Fri, 28 Apr 2023 14:30:58 +0530
Labels:            app=demo
                   pod-template-hash=797fd596b4
Annotations:       <none>
Status:            Pending
IP:                10.244.0.15
IPs:
  IP:              10.244.0.15
Controlled By:     ReplicaSet/demo-797fd596b4
Containers:
  demoapp1-jar-jvglf:
    Container ID:
    Image:           demoapp1.jar
    Image ID:
    Port:            7474/TCP
    Host Port:       0/TCP
    State:           Waiting
      Reason:        ImagePullBackOff
    Ready:           False
    Restart Count:   0
    Environment:     <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-vnbmk (ro)
Conditions:
  Type              Status
  Initialized       True
  Ready             False
  ContainersReady   False
  PodScheduled      True
Volumes:
  kube-api-access-vnbmk:
    Type:                    Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds:  3607
    ConfigMapName:           kube-root-ca.crt
    ConfigMapOptional:       <nil>
    DownwardAPI:             true
QoS Class:                   BestEffort
Node-Selectors:              <none>
Tolerations:                 node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                             node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
```

```
C:\Windows\System32\cmd.exe                                                                                                    —  ☐  ✕

NAME                                      DESIRED   CURRENT   READY   AGE
replicaset.apps/demo-797fd596b4           1         1         0       9m21s
replicaset.apps/first-deployment-7fb79c6b49  1      1         0       98m
replicaset.apps/firstkube-b5d47fbd9       1         1         0       46m

E:\kubernates\demo>kubectl edit deploymwnt deployment.apps/demo -n default
error: there is no need to specify a resource type as a separate argument when passing arguments in resource/name form (e.g. 'kubectl get resource/<resource_name>' inst
ead of 'kubectl get resource resource/<resource_name>'

E:\kubernates\demo>kubectl edit deploymwnt deployment.apps/demo
error: there is no need to specify a resource type as a separate argument when passing arguments in resource/name form (e.g. 'kubectl get resource/<resource_name>' inst
ead of 'kubectl get resource resource/<resource_name>'

E:\kubernates\demo>kubectl edit deploymwnt deployment.apps/demo
error: there is no need to specify a resource type as a separate argument when passing arguments in resource/name form (e.g. 'kubectl get resource/<resource_name>' inst
ead of 'kubectl get resource resource/<resource_name>'

E:\kubernates\demo>kubectl edit deploymwnt deployment.apps
error: the server doesn't have a resource type "deploymwnt"

E:\kubernates\demo>kubectl edit deployment deployment.apps/demo
error: there is no need to specify a resource type as a separate argument when passing arguments in resource/name form (e.g. 'kubectl get resource/<resource_name>' inst
ead of 'kubectl get resource resource/<resource_name>'

E:\kubernates\demo>kubectl edit deployment deployment.apps
Error from server (NotFound): deployments.apps "deployment.apps" not found

E:\kubernates\demo>kubectl edit deployments deployment.apps
Error from server (NotFound): deployments.apps "deployment.apps" not found

E:\kubernates\demo>kubectl edit deployment.apps/demo
Edit cancelled, no changes made.

E:\kubernates\demo>_
```