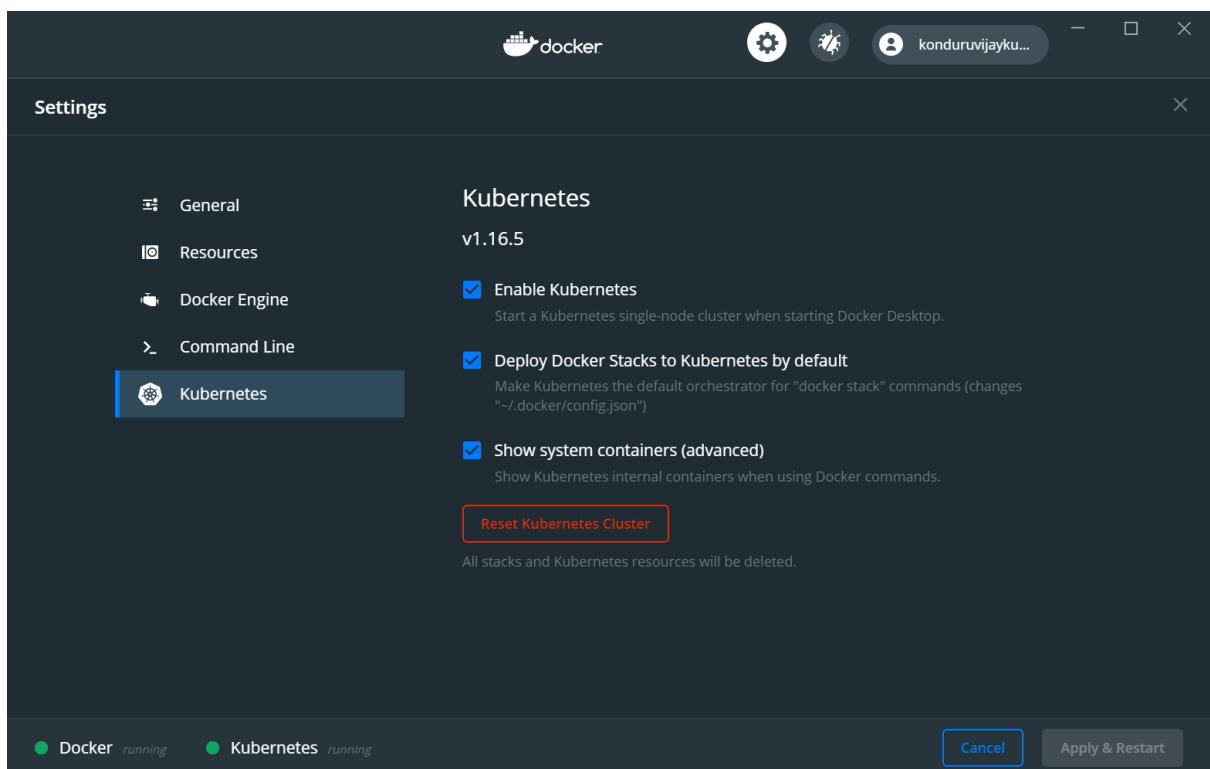


Docker and application setup



```
vijayk@DESKTOP-0HSLGCQ MINGW64 ~/git/docker-samples (master)
$ docker --help
Usage: docker [OPTIONS] COMMAND
A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default
                       "'C:\\Users\\vijayk\\.docker'")
  -c, --context string Name of the context to use to connect to the
                        daemon (overrides DOCKER_HOST env var and
                        default context set with "docker context use")
  -D, --debug          Enable debug mode
  -H, --host list      Docker host(s) to connect to
  -l, --log-level string Set the logging level
                        ("debug"|"info"|"warn"|"error"|"fatal")
  --tls                Use TLS; implied by --tlsv1.2
  --tlscacert string  Trust certs signed only by this CA (default
                       "'C:\\Users\\vijayk\\.docker\\ca.pem'")
  --tlscert string    Path to TLS certificate file (default
                       "'C:\\Users\\vijayk\\.docker\\cert.pem'")
  --tlskey string     Path to TLS key file (default
                       "'C:\\Users\\vijayk\\.docker\\key.pem'")
  --tlsv1.2             Use TLS and verify the remote
  -v, --version         Print version information and quit

Management Commands:
  builder   Manage builds
  config    Manage Docker configs
  container Manage containers
  context   Manage contexts
  image     Manage images
  network   Manage networks
  node      Manage Swarm nodes
  plugin   Manage plugins
  secret    Manage Docker secrets
  service   Manage services
  stack     Manage Docker stacks
  swarm    Manage Swarm
  system   Manage Docker
  trust     Manage trust on Docker images
  volume   Manage volumes

Commands:
  attach   Attach local standard input, output, and error streams to a running container
  build    Build an image from a Dockerfile
```

```
C:\Users\vijayk\git\docker-samples\alpine-linux\Dockerfile - Sublime Text (UNREGISTERED)
File Edit Selection Find Goto Tools Project Preferences Help
Dockerfile admin.sql
1 FROM alpine
2
3 CMD ["echo", "Hello, Welcome to docker from alpine linux!"]
```

```
vijay@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux
$ docker build -f Dockerfile -t alpine .
Sending build context to Docker daemon 2.048kB
Step 1/2 : FROM alpine
--> f9b7af4d40
Step 2/2 : CMD ["echo", "Hello, Welcome to docker from alpine linux!"]
--> Running in e65ef6d8c377
Removing intermediate container e65ef6d8c377
-> 8729cf9d8de6
Successfully built 8729cf9d8de6
Successfully tagged alpine:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

vijay@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux (master)
$ |
```

docker build -f Dockerfile -t alpine .

```
vijay@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux (master)
$ docker build -f Dockerfile -t alpine .
Sending build context to Docker daemon 2.048kB
Step 1/2 : FROM alpine
--> f9b7af4d40
Step 2/2 : CMD ["echo", "Hello, Welcome to docker from alpine linux!"]
--> Running in e65ef6d8c377
Removing intermediate container e65ef6d8c377
-> 8729cf9d8de6
Successfully built 8729cf9d8de6
Successfully tagged alpine:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

vijay@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux (master)
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
alpine              latest   8729cf9d8de6  About a minute ago  5.61MB
alpine              <none>   b57ec723abc6  8 days ago    398MB
alpine              <none>   d7834609af96  8 days ago    265MB
alpine              8-jre    f70734b6a266  3 weeks ago   5.61MB
openjdk              8-jre    2a3181d4c6eb  3 weeks ago   265MB
kubernetesui/dashboard  v2.0.0  8b32422733b3  3 weeks ago   222MB
kubernetesui/metrics-scrapers  v1.0.4  86262685d9ab  7 weeks ago   36.9MB
docker/desktop-storage-provisioner  v1.1   e70426ce73  7 weeks ago   411.8MB
docker/kubernetes-storage-provisioner  v1.0   60216760cb7b  2 months ago  93.1MB
docker/desktop-vpnkit-controller  v1.0   9d937e5a3aa  2 months ago  36.6MB
docker/desktop-kubernetes  kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-controller-manager  v1.16.5  441835dd2301  4 months ago  151MB
k8s.gcr.io/kube-proxy   v1.16.5  0ee1b8a3ebe0  4 months ago  82.7MB
k8s.gcr.io/kube-scheduler  v1.16.5  b4d073a9efda  4 months ago  83.5MB
k8s.gcr.io/kube-apiserver  v1.16.5  fc838b21afbb  4 months ago  159MB
docker/kube-compose-controller  v0.4.25-alpha1  129151cdf35f  6 months ago  35.6MB
docker/kube-compose-api-server  v0.4.25-alpha1  989739268895  6 months ago  50.7MB
docker/kube-compose-installer  v0.4.25-alpha1  2a1162055519  6 months ago  42.3MB
k8s.gcr.io/kube-controller-manager  v1.15.5  399a72fa1a9  7 months ago  159MB
k8s.gcr.io/kube-proxy   v1.15.5  cbdf721fec99  7 months ago  82.4MB
k8s.gcr.io/kube-scheduler  v1.15.5  e534b1952a0d  7 months ago  207MB
k8s.gcr.io/etcfd        v3.3.15-0  fab2ded59dd  7 months ago  81.1MB
k8s.gcr.io/coredns     1.6.2   b2756210eab  8 months ago  247MB
docker/kube-compose-controller  v0.4.23  bf261d157914  9 months ago  44.1MB
docker/kube-compose-api-server  v0.4.23  a8c3d87a58e7  11 months ago  35.3MB
k8s.gcr.io/coredns     1.6.2   f3591b2cb225  11 months ago  49.9MB
k8s.gcr.io/etcfd        3.1    eb165021b0  16 months ago  40.9MB
k8s.gcr.io/pause        3.1    2c4adeb21a4f  17 months ago  259MB
openjdk              9-b136-jre  da80e6ba6a1  2 years ago  742kB
-> 88fc12e90817  3 years ago  398MB
```

docker images

```

MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED     SIZE
alpine              latest   8729cf9d8de6  5 minutes ago  5.61MB
alpine              latest   b57ec723abc6  8 days ago   398MB
alpine              <none>   d785939a3589  8 days ago   265MB
alpine              8-jre    1a03234b9265  3 weeks ago  5.61MB
alpine              8-jre    2a3181d4c6ab  3 weeks ago  265MB
openjdk              v2.0.0   8b32422733b3  3 weeks ago  222MB
kubernetesui/dashboard v2.0.0   86262685d9ab  7 weeks ago  36.9MB
kubernetesui/metrics-scrapers v1.0.4   e704287ce753  7 weeks ago  41.8MB
docker/desktop-storage-provisioner v1.1    605a0f663db7  2 months ago  33.1MB
docker/desktop-storage-provisioner v1.0    79da37e5a3aa  2 months ago  36.6MB
docker/desktop-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-scheduler v1.16.5   b1d073a9efda  4 months ago  83.5MB
k8s.gcr.io/kube-controller-manager v1.16.5   fc8380213fb9  4 months ago  151MB
k8s.gcr.io/kube-apiserver v1.16.5   0ee1b8a3ebe0  4 months ago  159MB
k8s.gcr.io/kube-proxy v1.16.5   129151cfd35f  6 months ago  82.7MB
docker/kube-compose-controller v0.4.25-alpha1 989749268895  6 months ago  50.7MB
docker/kube-compose-api-server v0.4.25-alpha1 2a71ac5a1359  6 months ago  42.3MB
docker/kube-compose-installer v0.4.25-alpha1 c1df7f21fec99  7 months ago  82.4MB
k8s.gcr.io/kube-proxy v1.15.5   1399a72fala9  7 months ago  159MB
k8s.gcr.io/kube-controller-manager v1.15.5   e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-scheduler v1.15.5   fad3a05d9d4  7 months ago  81.1MB
k8s.gcr.io/etcd 3.3.15-0   275621aabb  8 months ago  247MB
k8s.gcr.io/coredns 1.6.2   bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller v0.4.23   a8c3d87a58e7  11 months ago  35.3MB
docker/kube-compose-api-server v0.4.23   f3591b2cb223  11 months ago  49.9MB
k8s.gcr.io/coredns 1.3.1   eb516548c180  16 months ago  40.3MB
k8s.gcr.io/etcd 3.3.10   2c4adeb21b4f  17 months ago  258MB
k8s.gcr.io/pause 3.1    da86e6ba6cal  2 years ago   742kB
openjdk              9-b136-jre  88fc21e90817  3 years ago   398MB

vijayk@DESKTOP-0H5LGQ: MINGW64 ~/git/docker-samples/alpine-linux (master)
$ docker run 8729cf9d8de6
Hello, welcome to docker from alpine linux!
vijayk@DESKTOP-0H5LGQ: MINGW64 ~/git/docker-samples/alpine-linux (master)
$
```

```

C:\Users\vijayk\git\docker-samples\alpine-linux-scriptfile\script.sh - Sublime Text (UNREGISTERED)
File Edit Selection Find Goto Tools Project Preferences Help

1 #!/bin/sh
2
3 #https://forums.docker.com/t/getting-panic-standard-init-linux-go-178-exec-user-process-caused-no-such-file-or-directory-re
4
5 echo Hello, from a script file!
6

6 lines, 217 characters selected
master Tab Size: 4 Bourne Again Shell (bash)
```

CAUsers\wijayk\git\docker-samples\alpine-linux-scriptfile\Dockefile - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```

1 FROM alpine
2
3 COPY script.sh /script.sh
4
5 CMD ["/script.sh"]
6

```

6 lines, 59 characters selected

P master Tab Size: 4 Plain Text

vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/alpine-linux-scriptfile

```

$ ls -l
total 2
-rw-r--r-- 1 vijayk 197121 64 May 19 06:20 Dockerfile
-rwxr-xr-x 1 vijayk 197121 222 May 19 06:18 script.sh

$ docker build -t alpine-scriptfile .
Sending build context to Docker daemon 3.072kB
Step 1/3 : FROM alpine
--> 8729cf9d8de6
Step 2/3 : COPY script.sh /script.sh
--> 21cccf6b6321
Step 3/3 : CMD ["/script.sh"]
--> Running in bdc36b5710c9
Removing intermediate container bdc36b5710c9
--> 82dbc2cdfd63
Successfully built 82dbc2cdfd63
Successfully tagged alpine-scriptfile:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED        SIZE
alpine-scriptfile  latest   82dbc2cdfd63  45 seconds ago  5.61MB
alpine              latest   8729cf9d8de6  3 hours ago   5.61MB
java-helloworld    latest   b57ec723ab6  8 days ago   398MB
<none>              <none>  d7834609af96  8 days ago   265MB
alpine              <none>  f70734b6a266  3 weeks ago  5.61MB
openjdk             8-jre   2a3181d4c6eb  3 weeks ago  265MB
kubernetesui/dashboard v2.0.0  8b332422733b3  3 weeks ago  222MB
kubernetesui/metrics-scrapers v1.0.4  86262685d9ab  7 weeks ago  36.9MB
docker/desktop-storage-provisioner v1.1  e704287ce753  7 weeks ago  41.8MB
docker/desktop-storage-provisioner v1.0  60540f7e77fb  2 months ago  33.1MB
docker/kube-controller v1.0  60540f7e77fb  2 months ago  36.6MB
docker/desktop-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a38647f0b376  3 months ago  279MB
k8s.gcr.io/kube-apiserver v1.16.5  fc838b2lafb  4 months ago  159MB
k8s.gcr.io/kube-scheduler v1.16.5  b4d073a9efda  4 months ago  81.5MB
k8s.gcr.io/kube-controller-manager v1.16.5  441835d2301  4 months ago  15.1MB
k8s.gcr.io/kube-proxy v1.16.5  0ee1b8a3ebe0  4 months ago  82.7MB
docker/kube-compose-controller v0.4.25-alpha1  129151cdf35f  6 months ago  35.6MB
docker/kube-compose-api-server v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-installer v0.4.25-alpha1  2a71ac5a1359  6 months ago  42.3MB
k8s.gcr.io/kube-apiserver v1.15.5  e534b1952a0d  7 months ago  207MB

```

```

MINGW64:/c/Users/vijay/git/docker-samples/alpine-linux-scriptfile
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED        SIZE
alpine-scriptfile  latest   82dbc2cdfd63  3 minutes ago  5.61MB
alpine              latest   8729cf9d8de6  8 hours ago   5.61MB
java-helloworld    latest   b57ec723bc6   8 days ago    398MB
<none>              <none>  d7834609a9f6   8 days ago    265MB
alpine              <none>  f70734b6a266   3 weeks ago   5.61MB
openjdk             8-jre   2a3181d4c6eb   3 weeks ago   265MB
kubernetesui/dashboard  v2.0.0  8b32422733b3   3 weeks ago   222MB
kubernetesui/metrics-scrapers  v1.0.4  86262685d9ab  7 weeks ago   36.9MB
docker/desktop-storage-provisioner  v1.1   e704257ce753  7 weeks ago   41.8MB
docker/desktop-storage-provisioner  v1.0   605a0f683b7b  2 months ago  33.1MB
docker/desktop-vpnkit-controller  v1.0   79da37e51a51  2 months ago  36.6MB
k8s.gcr.io/kube-apiserver  v1.15.5  fc838b21af9b  3 months ago  279MB
k8s.gcr.io/kube-scheduler  v1.15.5  b4d073a9efda  4 months ago  159MB
k8s.gcr.io/kube-controller-manager  v1.15.5  441835d2301  4 months ago  83.5MB
k8s.gcr.io/kube-proxy  v1.16.5  0ee1b8a3ebe0  4 months ago  82.7MB
docker/kube-compose-controller  v0.4.25-alpha1  129151cd3f5f  6 months ago  35.6MB
docker/kube-compose-api-server  v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-installer  v0.4.25-alpha1  2a7lac5a1359  6 months ago  42.3MB
k8s.gcr.io/kube-apiserver  v1.15.5  cbd7f721fe99  7 months ago  82.4MB
k8s.gcr.io/kube-scheduler  v1.15.5  e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-controller-manager  v1.15.5  1399a72fa1a9  7 months ago  159MB
k8s.gcr.io/kube-scheduler  v1.15.5  fab2ded59d9d  7 months ago  81.1MB
k8s.gcr.io/etcdd  3.3.15-0  b2756210eab  8 months ago  247MB
k8s.gcr.io/coredns  1.6.2   bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller  v0.4.23  a8c3d87a58e7  11 months ago  35.3MB
docker/kube-compose-api-server  v0.4.23  f3591b2cb223  11 months ago  49.9MB
k8s.gcr.io/coredns  1.3.1   e6516548c180  16 months ago  40.3MB
k8s.gcr.io/etcdd  3.3.10  2c4adeb21b4f  17 months ago  258MB
k8s.gcr.io/pause   3.1    da8e6b6a6cal  2 years ago   742KB
openjdk             9-b136-jre  88fc12e90817  3 years ago   398MB

vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux-scriptfile (master)
$ docker run 82dbc2cdfd63
standard_init_linux.go:211: exec user process caused "no such file or directory"
vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux-scriptfile (master)
$
```

```

MINGW64:/c/Users/vijay/git/docker-samples/alpine-linux-scriptfile
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED        SIZE
alpine-scriptfile  latest   82dbc2cdfd63  3 minutes ago  5.61MB
alpine              latest   8729cf9d8de6  8 hours ago   5.61MB
java-helloworld    latest   b57ec723bc6   8 days ago    398MB
<none>              <none>  d7834609a9f6   8 days ago    265MB
alpine              <none>  f70734b6a266   3 weeks ago   5.61MB
openjdk             8-jre   2a3181d4c6eb   3 weeks ago   265MB
kubernetesui/dashboard  v2.0.0  8b32422733b3   3 weeks ago   222MB
kubernetesui/metrics-scrapers  v1.0.4  86262685d9ab  7 weeks ago   36.9MB
docker/desktop-storage-provisioner  v1.1   e704257ce753  7 weeks ago   41.8MB
docker/desktop-storage-provisioner  v1.0   605a0f683b7b  2 months ago  33.1MB
docker/desktop-vpnkit-controller  v1.0   79da37e51a51  2 months ago  36.6MB
kubernetesui/kubernetes  kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-apiserver  v1.16.5  fc838b21af9b  4 months ago  159MB
k8s.gcr.io/kube-scheduler  v1.16.5  b4d073a9efda  4 months ago  83.5MB
k8s.gcr.io/kube-controller-manager  v1.16.5  441835d2301  4 months ago  151MB
k8s.gcr.io/kube-proxy  v1.16.5  0ee1b8a3ebe0  4 months ago  82.7MB
docker/kube-compose-controller  v0.4.25-alpha1  129151cd3f5f  6 months ago  35.6MB
docker/kube-compose-api-server  v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-installer  v0.4.25-alpha1  2a7lac5a1359  6 months ago  42.3MB
k8s.gcr.io/kube-apiserver  v1.15.5  cbd7f721fe99  7 months ago  82.4MB
k8s.gcr.io/kube-scheduler  v1.15.5  e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-controller-manager  v1.15.5  1399a72fa1a9  7 months ago  159MB
k8s.gcr.io/kube-scheduler  v1.15.5  fab2ded59d9d  7 months ago  81.1MB
k8s.gcr.io/etcdd  3.3.15-0  b2756210eab  8 months ago  247MB
k8s.gcr.io/coredns  1.6.2   bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller  v0.4.23  a8c3d87a58e7  11 months ago  35.3MB
docker/kube-compose-api-server  v0.4.23  f3591b2cb223  11 months ago  49.9MB
k8s.gcr.io/coredns  1.3.1   e6516548c180  16 months ago  40.3MB
k8s.gcr.io/etcdd  3.3.10  2c4adeb21b4f  17 months ago  258MB
k8s.gcr.io/pause   3.1    da8e6b6a6cal  2 years ago   742KB
openjdk             9-b136-jre  88fc12e90817  3 years ago   398MB

vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux-scriptfile (master)
$ docker run 82dbc2cdfd63
standard_init_linux.go:211: exec user process caused "no such file or directory"
vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux-scriptfile (master)
$ dos2unix script.sh
dos2unix: converting file script.sh to Unix format...
vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/alpine-linux-scriptfile (master)
$
```

<https://stackoverflow.com/questions/27810758/how-to-replace-crlf-with-lf-in-a-single-file>

```

MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile
Removing intermediate container 2c3942522cc3
-> a46e039f68c5
Successfully built a46e039f68c5
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

vijayk@DESKTOP-0MSLGQ: ~ /git/docker-samples/alpine-linux-scriptfile (master)
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED     SIZE
alpine-scriptfile  latest   a46e039f68c5  7 seconds ago  5.61MB
<none>              <none>   82dbc2cdfd63  6 minutes ago  5.61MB
alpine               latest   8729cf9d8de6  8 hours ago   5.61MB
java-helloworld    latest   b57ec723abc6  8 days ago   398MB
<none>              <none>   d783469af259  8 days ago   265MB
alpine               8-jre    82dbc2cdfd63  9 weeks ago   5.61MB
openjdk              8-jre    2a31d14c6eb  3 weeks ago   265MB
kubernetesui/dashboard v2.0.0  8b3242273b3  3 weeks ago   222MB
kubernetesui/metrics-scrapers v1.0.4  86262685d9ab 7 weeks ago   36.9MB
docker/desktop-storage-provisioner v1.1  e704287ce753  7 weeks ago   41.8MB
docker/desktop-storage-provisioner v1.0  605a0f683d7b  2 months ago  33.1MB
docker/desktop-vpnkit-controller v1.0  79da37e5a3aa  2 months ago  36.6MB
docker/desktop-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0 a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-proxy v1.16.5  0ee1b8a3be0  4 months ago  82.7MB
k8s.gcr.io/kube-apiserver v1.16.5  f0c52c2d59b  4 months ago  159MB
k8s.gcr.io/kube-scheduler v1.16.5  f4d0739ef9da  4 months ago  83.5MB
k8s.gcr.io/kube-controller-manager v1.16.5  441835dd2301  4 months ago  15.1MB
docker/kube-compose-controller v0.4.25-alpha1  129151cd35f  6 months ago  35.6MB
docker/kube-compose-api-server v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-installer v0.4.25-alpha1  2a71ac5a1359  6 months ago  42.3MB
k8s.gcr.io/kube-proxy v1.15.5  cdbff21fec99  7 months ago  82.4MB
k8s.gcr.io/kube-apiserver v1.15.5  e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-controller-manager v1.15.5  1399a72fa1a9  7 months ago  159MB
k8s.gcr.io/kube-scheduler v1.15.5  f0c52c2d59d  7 months ago  81.1MB
k8s.gcr.io/etcd 3.3.15-0  b2756210eabb  8 months ago  247MB
k8s.gcr.io/coredns 1.6.2  bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller v0.4.23  a8c3d87a5a8e7  11 months ago  35.3MB
docker/kube-compose-api-server v0.4.23  f3591b2ccb23  11 months ago  49.9MB
k8s.gcr.io/coredns 1.3.1  eb516548c180  16 months ago  40.3MB
k8s.gcr.io/etcd 3.3.10  2c4adeb21b4f  17 months ago  25.8MB
k8s.gcr.io/pause 3.1  da8666ba6cal  2 years ago   742kB
openjdk 9-b136-jre  88fc12e90817  3 years ago   398MB

vijayk@DESKTOP-0MSLGQ: ~ /git/docker-samples/alpine-linux-scriptfile (master)
$ docker run a46e039f68c5
Hello, from a script file!
vijayk@DESKTOP-0MSLGQ: ~ /git/docker-samples/alpine-linux-scriptfile (master)
$ |

```

```

MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile
vijayk@DESKTOP-0MSLGQ: ~ /git/docker-samples/alpine-linux-scriptfile (master)
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED     SIZE
alpine-scriptfile  latest   a46e039f68c5  22 minutes ago  5.61MB
<none>              <none>   82dbc2cdfd63  29 minutes ago  5.61MB
alpine               latest   8729cf9d8de6  9 hours ago   5.61MB
java-helloworld    latest   b57ec723abc6  8 days ago   398MB
<none>              <none>   d783469af259  8 days ago   265MB
alpine               8-jre    82dbc2cdfd63  3 weeks ago   5.61MB
openjdk              8-jre    2a31d14c6eb  3 weeks ago   265MB
kubernetesui/dashboard v2.0.0  8b3242273b3  3 weeks ago   222MB
kubernetesui/metrics-scrapers v1.0.4  86262685d9ab 7 weeks ago   36.9MB
docker/desktop-storage-provisioner v1.1  e704287ce753  7 weeks ago   41.8MB
docker/desktop-storage-provisioner v1.0  605a0f683d7b  2 months ago  33.1MB
docker/desktop-vpnkit-controller v1.0  79da37e5a3aa  2 months ago  36.6MB
docker/desktop-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0 a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-proxy v1.16.5  0ee1b8a3be0  4 months ago  82.7MB
k8s.gcr.io/kube-apiserver v1.16.5  f0c52c2d59b  4 months ago  159MB
k8s.gcr.io/kube-scheduler v1.16.5  f4d0739ef9da  4 months ago  83.5MB
k8s.gcr.io/kube-controller-manager v1.16.5  129151cd35f  6 months ago  35.6MB
docker/kube-compose-controller v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-api-server v0.4.25-alpha1  2a71ac5a1359  6 months ago  42.3MB
docker/kube-compose-installer v0.4.25-alpha1  1399a72fa1a9  7 months ago  159MB
k8s.gcr.io/kube-controller-manager v1.15.5  cdbff21fec99  7 months ago  82.4MB
k8s.gcr.io/kube-proxy v1.15.5  e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-apiserver v1.15.5  f0c52c2d59d  7 months ago  81.1MB
k8s.gcr.io/kube-scheduler v1.15.5  b2756210eabb  8 months ago  247MB
k8s.gcr.io/coredns 3.3.15-0  bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller v0.4.23  f3591b2ccb23  11 months ago  35.3MB
docker/kube-compose-api-server v0.4.23  eb516548c180  16 months ago  40.3MB
k8s.gcr.io/coredns 1.3.1  2c4adeb21b4f  17 months ago  25.8MB
k8s.gcr.io/etcd 3.3.10  da8666ba6cal  2 years ago   742kB
k8s.gcr.io/pause 3.1  88fc12e90817  3 years ago   398MB

vijayk@DESKTOP-0MSLGQ: ~ /git/docker-samples/alpine-linux-scriptfile (master)
$ docker exec -it a46e039f68c5 sh
Error: No such container: a46e039f68c5

vijayk@DESKTOP-0MSLGQ: ~ /git/docker-samples/alpine-linux-scriptfile (master)
$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
1d0bb5027a0         a46e039f68c5   "/script.sh"        10 minutes ago   Exited (0) 10 minutes ago   practical_matsumoto
270f49bc9fa3        a46e039f68c5   "/script.sh"        22 minutes ago   Exited (0) 22 minutes ago   unruffled_swirls
28136fb0934c        82dbc2cdfd63  "/script.sh"        26 minutes ago   Exited (1) 26 minutes ago   ecstatic_zhukovsky
5575659722fe        82dbc2cdfd63  "/script.sh"        27 minutes ago   Exited (1) 27 minutes ago   ecstatic_tesla
fd7a0aebff09        8729cf9d8de6  "echo 'Hello, Welcom..."  9 hours ago    Exited (0) 9 hours ago   frosty_swartz

```

docker exec -it a46e039f68c5 sh

docker container ls

docker ps -a

<https://stackoverflow.com/questions/50323199/docker-error-no-such-container-friendlyhello>

```

MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile
$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
1d0b8b5027a0        a46e039f6c5      "/script.sh"        10 minutes ago   Exited (0) 10 minutes ago   practical_matsumoto
270f49c9f3a3        a46e039f6c5      "/script.sh"        22 minutes ago   Exited (0) 22 minutes ago   unruffled_swiftles
200144444444        8729cf9d533     "/script.sh"        23 minutes ago   Exited (0) 23 minutes ago   ecstatic_tekovsky
5575659722fe        8729cf9d533     "/script.sh"        27 minutes ago   Exited (1) 27 minutes ago   frosty_swartz
7df1a0ebff09        8729cf9d5de6    "echo 'Hello, welcom..." 9 hours ago    Exited (0) 9 hours ago    k8s_storage-provisioner_storage-prov
c4ae09a15f9d        e04287ce753     "/storage-provisione..." 9 hours ago    Up 9 hours           isioner_kube-system_92d6aa1f-28fd-4e11-b9fd-28f2be6aa08a_0
e142eb4c9599        79da37e5a3aa    "/kube-vpnkit-forwar..." 9 hours ago    Up 9 hours           k8s_vpnkit-controller_vpnkit-control
1er_kube-system_99b1e957-316a-4def-844e-7f6c3a0e623_0
14b48013f74f        129151cd735f    "/compose-controller..." 9 hours ago    Up 9 hours           k8s_compose_compose-78f95d4fc-jcsbw8
_docker_3117f49d-246f-b424-zf27455e3695_0
377b723e3a01        8729cf9d533     "/script.sh"        9 hours ago    Up 9 hours           k8s_coredns_coredns-5644d7b6d9-xrxf6
_kube-system_1f38b7d5-3633-4e13-a046-b3de230e1a53_0
1de438570269        bf261d157914    "/coredns -conf /etc..." 9 hours ago    Up 9 hours           k8s_coredns_coredns-5644d7b6d9-dwzj8
_kube-system_5aeldc-25-6248-4e71-9cda-26597c30538a_0
cba0d246b295        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_storage-provisioner_kube-sys
tem_29d6aa1f-bc7d-4e11-b9fd-28f2be6aa08a_0
ac0bc7222e0         983749268895    "/api-server --kubec..." 9 hours ago    Up 9 hours           k8s_compose_compose-api-6ffb89dc58-4
221v_docker_2d049df2-8b47-46e1-8c44-760ae28880a_0
4d258727843b        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_compose-api-6ffb89dc58-4221v
_docker_2d049df2-8b47-46e1-8c44-760ae28880a_0
495729005f94        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_vpnkit-controller_kube-syste
m_3991e957-316a-4def-844e-7f6c3a0e623_0
5f25d1ac4909        0ee1b8a3be0    "/usr/local/bin/kube..." 9 hours ago    Up 9 hours           k8s_kube-proxy_kube-proxy-h6f2k_kube
-system_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
aa6644a43698        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_compose-78f95d4fc-jcsbw8_doc
ker_3117f49d-246f-b424-zf27455e3695_0
c0766efaf1cb        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_coredns-5644d7b6d9-dwzj8_kub
e-system_5aeldc-25-6248-4e71-9cda-26597c30538a_0
605c508532c7        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_coredns-5644d7b6d9-xrxf6_kub
30ea33a8572         k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_kube-proxy-h6f2k_kube-system
3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
d54a592928d0        441835dd30       "/kube-controller-man..." 9 hours ago    Up 9 hours           k8s_kube-controller-manager_kube-con
troller-manager_docker_desktop_kube-system_9076958db0c2cc26f76def745bf1928_0
b965940589a5        b2756210eab    "/etcd --advertise-cl..." 9 hours ago    Up 9 hours           k8s_etcd_etcd_docker_desktop_kube-sy
stem_b3eca0122540ccc59a7805e87e8_0
28a48b397aa2        b4d073a9efda    "/kube-scheduler --aa..." 9 hours ago    Up 9 hours           k8s_kube-scheduler_kube-scheduler-do
cker_desktop_kube-system_28dd1b1230fbeb15350eb1b896ae9493d_0
825651433c03        fc338b21afbb    "/kube-apiserver --ad..." 9 hours ago    Up 9 hours           k8s_kube-apiserver_kube-apiserver-do
cker_desktop_kube-system_28dd1b1230fbeb15350eb1b896ae9493d_0
67851b1b470         k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_kube-apiserver_docker_deskt
o_p_kube-system_2966bdea771eade42b709889c75cf17e_0
tem_bc3eca0122540ccc59a7805e87e8_0
d214e2154a5         k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_etcd_docker_desktop_kube-sys
tem_bc3eca0122540ccc59a7805e87e8_0
9f833e55509e        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_kube-scheduler_docker_deskt
o_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
d51a1c4328d0        441835dd30       "/kube-controller-man..." 9 hours ago    Up 9 hours           k8s_kube-controller-manager_kube-con
troller-manager_docker_desktop_kube-system_9076958db0c2cc26f76def745bf1928_0
b965940589a5        b2756210eab    "/etcd --advertise-cl..." 9 hours ago    Up 9 hours           k8s_etcd_etcd_docker_desktop_kube-sy
stem_b3eca0122540ccc59a7805e87e8_0
28a48b397aa2        b4d073a9efda    "/kube-scheduler --aa..." 9 hours ago    Up 9 hours           k8s_kube-scheduler_kube-scheduler-do
cker_desktop_kube-system_28dd1b1230fbeb15350eb1b896ae9493d_0
825651433c03        fc338b21afbb    "/kube-apiserver --ad..." 9 hours ago    Up 9 hours           k8s_kube-apiserver_kube-apiserver-do
cker_desktop_kube-system_28dd1b1230fbeb15350eb1b896ae9493d_0
67851b1b470         k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_kube-apiserver_docker_deskt
o_d214e2154a5         k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_etcd_docker_desktop_kube-sys
tem_bc3eca0122540ccc59a7805e87e8_0
9f833e55509e        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_kube-scheduler_docker_deskt
o_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
2bfb4bc499b66        k8s_gcr.io/pause:3.1  "/pause"          9 hours ago    Up 9 hours           k8s_POD_kube-controller-manager_dock
er_desktop_kube-system_9076958db0c2cc26f76def745bf1928_0
b61f49d4b1c0        d7334609a9f6     "java Helloworld"    8 days ago   Exited (1) 8 days ago   zen_perlman
764d3b7d5e6         b57ec61b2c6      "java Helloworld"    8 days ago   Exited (1) 8 days ago   nice_edison
zadcf13da2d        d7334609a9f6     "java Helloworld"    8 days ago   Exited (1) 8 days ago   confident_noxy

MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile
$ docker exec -it 1d0b8b5027a0 sh
the input device is not a TTY. If you are using mintty, try prefixing the command with 'winpty'
MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile (master)
$ docker exec -it 1d0b8b5027a0 pwd
the input device is not a TTY. If you are using mintty, try prefixing the command with 'winpty'
MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile (master)
$ docker exec -it 1d0b8b5027a0 sh
MINGW64:/c/Users/vijayk/git/docker-samples/alpine-linux-scriptfile (master)

```

```

docker exec -it 1d0b8b5027a0 sh
docker exec -it 1d0b8b5027a0 pwd
winpty docker exec -it 1d0b8b5027a0 pwd

```

```

MINGW64:/c/Users/vijay/git/docker-samples/alpine-linux-scriptfile
$ docker exec -it 1d0bb5b5027a0 sh
the input device is not a TTY. If you are using mintty, try prefixing the command with 'winpty'

vijay@DESKTOP-OMSLGQQ:~/git/docker-samples/alpine-linux-scriptfile (master)
$ docker exec -it 1d0bb5b5027a0 pwd
Error response from daemon: Container 1d0bb5b5027a0a06f2d8eaa087188b097dc12b43224e0d70ac0f64fc03b41f832e is not running

vijay@DESKTOP-OMSLGQQ:~/git/docker-samples/alpine-linux-scriptfile (master)
$ winpty docker exec -it 1d0bb5b5027a0 pwd
Error response from daemon: Container 1d0bb5b5027a0a06f2d8eaa087188b097dc12b43224e0d70ac0f64fc03b41f832e is not running

vijay@DESKTOP-OMSLGQQ:~/git/docker-samples/alpine-linux-scriptfile (master)
$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c46e09a15fd9 e704287ce753 "/storage-provisioner..." 9 hours ago Up 9 hours k8s_storage-provisioner_storage-provisioner_
kube-system_92d6aa08a_0
e142eb4bc959 79da37e5a3aa "/kube-vpnkit-forwar..." 9 hours ago Up 9 hours k8s_vpnkit-controller_vpnkit-controller_kube_
system_92d6aa08a_0
5756597f0fe 3f036d13f957-316a-4def-844e-76fc63a0e623_0 14b48013f74f 129151cdf3f "/compose-controller..." 9 hours ago Up 9 hours k8s_compose_compose-78f95d4f8c-jcsbw_8_docker_
coredns
3117f49d-246f-450f-b424-2f27455e3695_0 371b5f42af2 bf261d57914 "/coredns -conf /etc..." 9 hours ago Up 9 hours k8s_coredns_coredns-5644d7b6d9-xrxf6_kube-sy
stem_92d6
stem_1f38b7ds-3633-a046-b3de230el1a53_0 1d0bb5b5027a0 "/coredns -conf /etc..." 9 hours ago Up 9 hours k8s_coredns_coredns-5644d7b6d9-dw2j8_kube-sy
stem_92d6
lde438570269 bf261d57914 "/coredns -conf /etc..." 9 hours ago Up 9 hours k8s_coredns_coredns-5644d7b6d9-dw2j8_kube-sy
stem_92d6
stem_5_ae1dc25-6248-4e6b-26597-30538a_0 cba0d246b295 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_storage-provisioner_kube-system_92d6
aalf_bcd7d-4e11-b9fd-28f2be6aa08a_0 ac0bebcb72843b 129151cdf3f "/api-server --kubec..." 9 hours ago Up 9 hours k8s_compose_compose-api-6ffb89dc58-4221v_d
oc_kube-system_92d6
2d049df2-8b47-46e1-8c44-e760ae28880a_0 4d355727843b k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_compose-api-6ffb89dc58-4221v_d
oc_kube-system_92d6
495729005fc1 5f25d1ac4909 0ee1bb6a08a_0 "/usr/local/bin/kube..." 9 hours ago Up 9 hours k8s_POD_vpnkit-controller_kube-system_99b1e9
57-316a-4def-844e-76fc63a0e623_0 3f036d1d-f4d1-a9b8-b0ed-5943bd388648_0 aa6644a43698 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_kube-proxy_kube-proxy-h6f2k_kube-system_
t49d16746f05-b424-2f27455e3695_0 2d049df2-8b47-46e1-8c44-e760ae28880a_0 5a1d25-6248-4e71-9cda-26597c30538a_0 605c508532c7 1f38b7ds-3633-a046-b3de230el1a53_0 30aae33a8572 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_coredns-5644d7b6d9-xrxf6_kube-sy
stem_3f036d1
d-f4d1-4a9b-b0ed-6943bd388648_0

```

```

MINGW64:/c/Users/vijay/git/docker-samples/alpine-linux-scriptfile
$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
1d0bb5b5027a0 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_kube-controller-manager-docker-deskt
op_kube-system_9076958db0cc26f76def745fc1928_0
vijay@DESKTOP-OMSLGQQ:~/git/docker-samples/alpine-linux-scriptfile (master)

vijay@DESKTOP-OMSLGQQ:~/git/docker-samples/alpine-linux-scriptfile (master)
$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
1d0bb5b5027a0 a46e039f68c5 "/script.sh" 25 minutes ago Exited (0) 25 minutes ago k8s_practical_matsumoto
270f49c9fa3 a46e039f68c5 "/script.sh" 38 minutes ago Exited (0) 37 minutes ago unruffled_swirlies
28136f80934c 82dbc2cddfd3 "/script.sh" 42 minutes ago Exited (1) 42 minutes ago ecstatic_zhukovsky
55756597f0fe 82dbc2cddfd3 "/script.sh" 42 minutes ago Exited (1) 42 minutes ago ecstatic_tesla
7d0a167ff09 82dbc2cddfd3 "echo 'Hello, Welcom..." 9 hours ago Exited (0) 9 hours ago frosty_swartz
lde438570269 82dbc2cddfd3 "/storage-provisioner..." 9 hours ago Up 9 hours k8s_storage-provisioner_storage-prov
ider_kube-system_92d6
e142eb4bc9599 79da37e5a3aa "/kube-vpnkit-forwar..." 9 hours ago Up 9 hours k8s_vpnkit-controller_vpnkit-control
ler_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0 14b48013f74f 129151cdf3f "/compose-controller..." 9 hours ago Up 9 hours k8s_compose_compose-78f95d4f8c-jcsbw_8_d
ocker_coredns
3117f49d-246f-450f-b424-2f27455e3695_0 371b5f42af2 bf261d57914 "/coredns -conf /etc..." 9 hours ago Up 9 hours k8s_coredns_coredns-5644d7b6d9-xrxf6_kube-sy
stem_92d6
stem_1f38b7ds-3633-a046-b3de230el1a53_0 lde438570269 82dbc2cddfd3 "/coredns -conf /etc..." 9 hours ago Up 9 hours k8s_coredns_coredns-5644d7b6d9-dw2j8_kube-sy
stem_92d6
stem_5_ae1dc25-6248-4e71-9cda-26597c30538a_0 3f036d1d-f4d1-a9b8-b0ed-5943bd388648_0 aa6644a43698 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_storage-provisioner_kube-sy
stem_92d6
aalf_bcd7d-4e11-b9fd-28f2be6aa08a_0 ac0bebcb72843b 129151cdf3f "/api-server --kubec..." 9 hours ago Up 9 hours k8s_compose_compose-api-6ffb89dc58-4221v_d
oc_kube-system_92d6
2d049df2-8b47-46e1-8c44-e760ae28880a_0 4d355727843b k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_compose-api-6ffb89dc58-4221v_d
oc_kube-system_92d6
495729005fc1 5f25d1ac4909 0ee1bb6a08a_0 "/usr/local/bin/kube..." 9 hours ago Up 9 hours k8s_POD_vpnkit-controller_kube-syst
em_99b1e9
m_99b1e957-316a-4def-844e-76fc63a0e623_0 3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0 aa6644a43698 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_kube-proxy_kube-proxy-h6f2k_kube_
system_99b1e957-316a-4def-844e-76fc63a0e623_0 ker_3117f49d-246f-450f-b424-2f27455e3695_0 c0766efaf1cb k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_coredns-5644d7b6d9-dw2j8_kub
e_system_5_ae1dc25-6248-4e71-9cda-26597c30538a_0 e-system_5_ae1dc25-6248-4e71-9cda-26597c30538a_0 605c508532c7 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_coredns-5644d7b6d9-xrxf6_kub
e-system_1f38b7ds-3633-a046-b3de230el1a53_0 30aae33a8572 1f38b7ds-3633-a046-b3de230el1a53_0 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_kube-proxy-h6f2k_kube-system_
3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0 d565972840 4418354dfe1 129151cdf3f "/kube-controller-man..." 9 hours ago Up 9 hours k8s_kube-controller-manager_kube-con
troller-manager_docker_desktop_kube-system_9076958db0cc26f76def745fc1928_0 b965940589a5 2b756210eab "etcd --advertise-cl..." 9 hours ago Up 9 hours k8s_etcd_etcd_docker_desktop_kube-sy
stem_9076958db0cc26f76def745fc1928_0 28a48b397aa2 b4d0739afe0da "kube-scheduler --au..." 9 hours ago Up 9 hours k8s_kube-scheduler_kube-scheduler-do
cker_desktop_kube-system_28d1b1230fbe15350eb1b896ae9493d_0 626561433c03 fc838b21afbb "kube-apiserver --ad..." 9 hours ago Up 9 hours k8s_kube-apiserver_kube-apiserver-do
cker_desktop_kube-system_2966bdea77ead42b07988975cf1e_0 67851b1b470 k8s_gcr.io/pause:3.1 "/pause" 9 hours ago Up 9 hours k8s_POD_kube-apiserver_docker_desk
to_p_kube-system_2966bdea77ead42b07988975cf1e_0

```

The screenshot shows the Docker Hub website with the URL hub.docker.com/_/ubuntu/?tab=tags. The page displays the official Ubuntu Docker image. At the top, there's a search bar and navigation links for Explore, Pricing, Sign In, and Sign Up. Below the search bar, the repository name "ubuntu" is shown with a star icon. A brief description states: "Ubuntu is a Debian-based Linux operating system based on free software." A download count of "1B+" is displayed. A horizontal menu includes Container, Linux, PowerPC 64 LE, ARM 64, x86-64, ARM, 386, IBM Z, Base Images, and Operating Systems. The "Official Image" tab is selected. On the right, a dropdown menu shows "Linux - x86 (latest)". Below it, a command box contains "docker pull ubuntu" with a copy icon, and a link to "View Available Tags".

The screenshot shows the "Tags" page for the Ubuntu repository. The URL is hub.docker.com/_/ubuntu/?tab=tags. The page lists various tags for the image. At the top, there are tabs for Description, Reviews, and Tags, with Tags being the active tab. A filter box labeled "Filter Tags" and a sort dropdown set to "Latest" are visible. The first section, "IMAGE latest", shows the latest tag was updated 25 days ago by user [dojank](#). It lists the digest (5747316366b8), OS/ARCH (linux/amd64), and compressed size (27.27 MB). Below this, a command box shows "docker pull ubuntu:latest" with a copy icon. The second section, "IMAGE groovy-20200505", shows the tag was updated 12 days ago by user [dojank](#). It lists the digest (14385d62445f), OS/ARCH (linux/amd64), and compressed size (26.9 MB).

```

MINGW64:/c/Users/vijayk/git/docker-samples
$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
d5f873c3d3: Pulling fs layer
fc873cd0a91c: Pulling fs layer
6154df8ff988: Pulling fs layer
feesdb0ff82f: Pulling fs layer
feesdb0ff82f: Waiting
fc873cd0a91c: Download complete
6154df8ff988: Verifying Checksum
6154df8ff988: Download complete
feesdb0ff82f: Verifying Checksum
feesdb0ff82f: Download complete
d5f873c3d3: Verifying Checksum
d5f873c3d3: Download complete
d5f873c3d3: Pull complete
fc873cd0a91c: Pull complete
6154df8ff988: Pull complete
feesdb0ff82f: Pull complete
Digest: sha256:747d2dbaaee995098c9792d99bd333c6783ce56150db11e333bbceed5c54d7
status: downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest

vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples (master)
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED        SIZE
alpine-scriptfile  latest   a46e039f68c5  About an hour ago  5.61MB
<none>              <none>   82dbc2cdfd63  About an hour ago  5.61MB
alpine              latest   8729cf9d8de6  9 hours ago   5.61MB
java-helloworld    latest   b57ec723abc6  8 days ago   398MB
<none>              <none>   d783469a9f96  8 days ago   265MB
ubuntu              latest   10a2a2668a20  3 weeks ago   73.5MB
alpine              latest   10a2a2668a20  3 weeks ago   57.9MB
openjdk              8-jre   2a3181d4c6ab  3 weeks ago   265MB
kubernetesui/dashboard v2.0.0  8b32422733b3  3 weeks ago   22.2MB
kubernetesui/metrics-scrapers v1.0.4  86262685d9ab  7 weeks ago   36.9MB
docker/desktop-storage-provisioner v1.1   e704287ce753  7 weeks ago   41.8MB
docker/desktop-storage-provisioner v1.0   605a0f663b7b  2 months ago  33.1MB
docker/desktop-vpnkit-controller v1.0   79da37e5a3a3  2 months ago  36.6MB
docker/desktop-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-controller-manager v1.16.5  441a2a092d00  4 months ago  11.9MB
k8s.gcr.io/kube-scheduler v1.16.5  a2e1b8a19b00  4 months ago  82.7MB
k8s.gcr.io/kube-apiserver v1.16.5  fc838021afbb  4 months ago  15.9MB
k8s.gcr.io/kube-scheduled v1.16.5  b4d073a9efda  4 months ago  83.5MB
docker/kube-compose-controller v0.4.25-alpha1  129151cdf35f  6 months ago  35.6MB
docker/kube-compose-api-server v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-installer v0.4.25-alpha1  2a71ac5a1359  6 months ago  42.3MB

```

docker pull ubuntu

docker run -it ubuntu

docker run -it ubuntu /bin/bash

wipty docker run -it ubuntu

```

root@380ccb818d5:/
[vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples (master)
$ docker run -it ubuntu
the input device is not a TTY. If you are using mintty, try prefixing the command with 'wipty'
[vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples (master)
$ docker run -it ubuntu /bin/bash
the input device is not a TTY. If you are using mintty, try prefixing the command with 'wipty'
[vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples (master)
$ wipty docker run -it ubuntu /bin/bash
C:\Program Files\ Docker\resources\bin\docker.exe: Error response from daemon: OCI runtime create failed: container_linux.go:349: starting container process caused "exec: \\"C:\Program Files\git\usr\bin\ bash.exe\\": stat C:\Program Files\git\usr\bin\ bash.exe\\": no such file or directory": unknown.
[vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples (master)
$ wipty docker run -it ubuntu
root@380ccb818d5:/# pwd
/
root@380ccb818d5:/# ls -l
total 48
lrwxrwxrwx 1 root root 7 Apr 23 11:06 bin -> usr/bin
drwxr-xr-x 2 root root 4096 Apr 15 11:09 boot
drwxr-xr-x 5 root root 360 May 19 02:13 dev
drwxr-xr-x 1 root root 4096 May 19 02:13 etc
drwxr-xr-x 2 root root 4096 Apr 15 11:09 home
lrwxrwxrwx 1 root root 7 Apr 23 11:06 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Apr 23 11:06 lib32 -> usr/lib32
lrwxrwxrwx 1 root root 9 Apr 23 11:06 lib64 -> usr/lib64
lrwxrwxrwx 1 root root 10 Apr 23 11:06 lib32 -> usr/lib32
drwxr-xr-x 2 root root 4096 Apr 23 11:06 media
drwxr-xr-x 4 root root 4096 Apr 23 11:06 mnt
drwxr-xr-x 2 root root 4096 Apr 23 11:06 net
dr-xr-xr-x 172 root root 0 May 19 02:13 proc
drwxr----- 2 root root 4096 Apr 23 11:09 root
drwxr-xr-x 1 root root 4096 Apr 24 01:07 run
lrwxrwxrwx 1 root root 8 Apr 23 11:06 sbin -> usr/sbin
drwxr-xr-x 2 root root 4096 Apr 23 11:06 srv
dr-xr-xr-x 12 root root 0 May 19 02:13 sys
drwxrwxrwt 2 root root 4096 Apr 23 11:06 tmp
drwxr-xr-x 4 root root 4096 Apr 23 11:06 usr
drwxr-xr-x 1 root root 4096 Apr 23 11:09 var
root@380ccb818d5:/#

```

vijaykudeSkTOP-0MSLQGQ MINGW64 - /git/docker-samples (master)							
S	Docker ps -a	CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	
1	docker/kube-compose-controller	v0.4.23	a8c3d8758e7	11 months ago	35.3MB		
2	docker/kube-compose-api-server	v0.4.23	f3f51b52c23	11 months ago	48.3MB		
3	nginx/kube-coredns	1.3.1	bb5165481c80	16 months ago	40.3MB		
4	k8s.gcr.io/etcd	3.3.10	2c4adeb21b4f	17 months ago	258MB		
5	k8s.gcr.io/pause	3.1	da86e6ba6c11	2 years ago	742kB		
6	openjdk	9-b136-jre	88fc12e90817	3 years ago	398MB		
<hr/>							
7	musings-hansenberg	ubuntu	/bin/bash	2 minutes ago	Exited (0) 14 seconds ago		
8	chenming-chatelet	ubuntu	/usr/bin/python3.6m	2 minutes ago	Created		
9	practical_matsumoto	ubuntu	"/script.sh"	About an hour ago	Exited (0) About an hour ago		
10	unruffled_swirls	ubuntu	"/script.sh"	About an hour ago	Exited (0) About an hour ago		
11	frosty_swartz	ubuntu	"echo Hello, Welcom."	9 hours ago	Exited (0) 9 hours ago		
12	k8s_storage-provisioner	e704287ce753	"/storage-provisione..."	10 hours ago	Up 10 hours		
13	elrevisioner_kube-system	92d6aa1f-bc7d-4e11-b9fd-2f28fe6aa08a_0	"/kube-vpnkit-forwar..."	10 hours ago	Up 10 hours		
14	rolTter_kube-system	99be1e957-316a-4def-844e-76fc63a6e23_0	"/coredns-controlle..."	10 hours ago	Up 10 hours		
15	musings-hansenberg	129877735959	"/compose-controlle..."	10 hours ago	Up 10 hours		
16	k8s_compose	3117f49df2-450f-4242-2f27455e0959	"/coredns -conf /etc..."	10 hours ago	Up 10 hours		
17	x6f_kube-system	b2f61d157914	"/coredns -conf /etc..."	10 hours ago	Up 10 hours		
18	k8s_kube-system	b2f61d157914	"/coredns -conf /etc..."	10 hours ago	Up 10 hours		
19	2j8_kube-system	5_ae1dc25-6248-4e71-9cda-26597c30538a_0	"/coredns -conf /etc..."	10 hours ago	Up 10 hours		
20	cb0a024b6295	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
21	k8s_POD_storage-provisioner_kube-	92d6aa1f-bc7d-4e11-b9fd-2f28fe6aa08a_0	"/api-server --kube..."	10 hours ago	Up 10 hours		
22	ac0bc7222e0	989749268695	"/api-server --kube..."	10 hours ago	Up 10 hours		
23	k8s_compose_compose	d204d9f2-8b44-4a61-8c41-e760a800a_0	"/pause"	10 hours ago	Up 10 hours		
24	ad7d7722	kd1_gcr.io/kube-proxy:1.13.0	"/pause"	10 hours ago	Up 10 hours		
25	2lv_docker	d204d9f2d4-4b61-4e61-b484-57e02880a_0	"/pause"	10 hours ago	Up 10 hours		
26	49779008fc1	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
27	stem_99be1e957-316a-4def-844e-76fc63a6e23_0	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
28	525diac4909	0ee1b8a3e0b0	"/usr/local/bin/kube..."	10 hours ago	Up 10 hours		
29	ube-system_3f0368dd-f4d1-4a9b-b0ed-6943bd388648_0	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
30	aa6e64a43698	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
31	docker_3117f49d-246f-450f-b424-2f27455e3695	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
32	c0766ef41cb	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
33	musings-hansenberg_5_ae1dc25-6248-4e71-9cda-26597c30538a_0	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
34	605c3085127	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
35	k8s_kube-system_1f38b7d5-3633-e13-a046-b3de230e1a51_0	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
36	30aea33a572	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
37	tem_3f0368dd-f4d1-4a9b-b0ed-6943bd388648_0	k8s.gcr.io/pause:3.1	"/pause"	10 hours ago	Up 10 hours		
38	d54a69228d0	441835d2301	"/kube-controller-man..."	10 hours ago	Up 10 hours		
39	controller-manager_docker_desktop_kube-	system_906958db0cc26f76def745bf1928_0	"/etcd --advertise-cl..."	10 hours ago	Up 10 hours		
40	b2756210ea0	etcd_etc2-docker_desktop_kube-	system_c3e0a122540cc59e959a7805e87e_0	"/etcd --advertise-cl..."	10 hours ago	Up 10 hours	
41	28a48b397aa2	b4d073a9eab	"/kube-scheduler --au..."	10 hours ago	Up 10 hours		
42	docker_desktop_kube-system_28d1b1230fb15350e6b1896ae5493d_0	etcd_etc2-docker_desktop_kube-	system_c3e0a122540cc59e959a7805e87e_0	"/etcd --advertise-cl..."	10 hours ago	Up 10 hours	

```

MINGW64:~/c/Users/vijay/git/docker-samples
371b6f42a5f2          "coredns -conf /etc.."   10 hours ago    Up 10 hours      k8s_coredns_coredns-5644d7b6d9-xr
k8s_kube-system_`if38bd`_7e0a6-4063-a046-b3de230ia1a5_0
1dd438570c70...         "coredns -conf /etc.."   10 hours ago    Up 10 hours      k8s_coredns_coredns-5644d7b6d9-dw
218_kube-system_5aeldc5_6248-4e71-9cd4-26597c30538a_0
cba0d246b295          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_storage-provisioner_kube-
system_92d6aa1f-bc7d-4e11-b9f2-28f2be6aa08a_0
oc80cb7222e0          k8s_gcr.io/pause:3.1   "/api-server --kubec..." 10 hours ago    Up 10 hours      k8s_compose_compose-apt-6ffbf89dc5
8-42278_docker_2d049df2_8b47-4e61-8c44-e760ae28880a_0
4d585727843b          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_compose-api-6ffbf89dc5
21v_docker_2d049df2_8b47-4e61-8c44-e760ae28880a_0
495729008fc1          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_vpncat-controller_kube-sy
stem_99b1e957_316a-4def-8446-76f363a0e623_0
ube-system_3f036d1d..._441-439b-0b0d-6943bd388548_0
aa6644a3698          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_kube-proxy_kube-proxy-h6f2k_k
docker_3117f49d-246f-450f-b424-27245e3695_0
c0766fe1fcfb          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_coredns-5644d7b6d9-dw2j8_
kube-system_5aeldc5_6248-4e71-9cd4-26597c30538a_0
605c05852c7          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_coredns-5644d7b6d9-rrxf6_
kube-system_1f38b7d..._3633s_4e13-a046-b3de230ia1a5_0
30aea33a572          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_kube-proxy-h6f2k_kube-sys
tem_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
ds45488f8d..._5d62d1  "kube-controller-man..." 10 hours ago    Up 10 hours      k8s_kube-controller-manager_kube-
controller-manager_docker-0_`if38bd`_kube-system_9076958db02cc2f67def745bf1928_0
b9659405095          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_etcd_etcd_docker_desktop_kube
`-system_3eca0122504ccc59e959a7805e87e8_0
28a4ab397aa2          b4d073a9fe0da          "kube-scheduler --au..." 10 hours ago    Up 10 hours      k8s_kube-scheduler_kube-scheduler
`-docker-desktop_kube-system_28dd1b230f1be15350eb9896ae493d_0
28565143303          fc838b21afbb          "kube-apiserver --ad..." 10 hours ago    Up 10 hours      k8s_kube-apiserver_kube-apiserver
g785a1b1b470          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_kube-apiserver-docker-des
ktop_kube-system_2966bdeaa77leadbe4d2b079889c75cf17e_0
d214e521a45          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_etcd-docker-desktop_kube-
system_30012254958..._555598          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_kube-scheduler-docker-des
ktop_kube-system_28dd1b1230f1be15350eb9896ae493d_0
2bf4bc499b66          k8s_gcr.io/pause:3.1   "/pause"        10 hours ago    Up 10 hours      k8s_POD_kube-controller-manager_d
ocker-desktop_kube-system_9076958db02cc2f67def745bf1928_0

vijay@DESKTOP-OMSLGQ: MINGW64 ~git/docker-samples (master)
$ docker exec -it 380cccc818d5 pwd
The input device is not a TTY. If you are using mintty, try prefixing the command with 'winpty'
vijay@DESKTOP-OMSLGQ: MINGW64 ~git/docker-samples (master)
$ winpty docker exec -it 380cccc818d5 pwd
Error from daemon: Container 380cccc818d5b0aaa07f57b333dd256c052ff6cd5387e319f07cca09c666992e is not running
vijay@DESKTOP-OMSLGQ: MINGW64 ~git/docker-samples (master)
$
```

We might have to check on a running docker image, instead of stopped image.

The screenshot shows the Docker Hub page for the 'openjdk' image. At the top, there's a navigation bar with tabs for 'Explore', 'Pricing', 'Sign In', and 'Sign Up'. Below the navigation is a search bar with placeholder text 'Search for great content (e.g., mysql)'. The main content area features the 'OpenJDK' logo and the text 'Docker Official Images'. It states that OpenJDK is an open-source implementation of the Java Platform, Standard Edition. A download button labeled '500M+' is visible. Below the download button is a horizontal bar with various architecture tags: Container, Linux, Windows, 386, IBM Z, PowerPC 64 LE, ARM 64, ARM, and x86-64. Underneath these tags are two buttons: 'Programming Languages' and 'Official Image'. To the right, there's a dropdown menu set to 'Windows - x86-64 (latest)' with a 'Copy and paste to pull this image' option and a command-line input field containing 'docker pull openjdk'. A 'View Available Tags' link is also present. At the bottom of the main content area are three tabs: 'Description' (which is active), 'Reviews', and 'Tags'.

The screenshot shows the Docker Hub page for 'OpenJDK'. The title 'OpenJDK' is prominently displayed. Below it is a section titled 'How to use this image'. Under this section, there's a heading 'Start a Java instance in your app'. It explains that the most straightforward way is to use a Java container as both the build and runtime environment, providing a sample Dockerfile code snippet. The code includes commands like FROM openjdk:7, COPY . /usr/src/myapp, WORKDIR /usr/src/myapp, RUN javac Main.java, and CMD ["java", "Main"]. Below the code, there's a note about running the Docker image with commands like docker build -t my-java-app . and docker run -it --rm --name my-running-app my-java-app. The rest of the page contains standard Docker Hub navigation and search elements.

The screenshot shows a web browser window with three tabs open:

- konduruvijaykumar/docker-sample - This tab is currently active.
- java 11 latest docker - Google Search
- openjdk Tags - Docker Hub

The main content area displays search results for 'openjdk' on Docker Hub. The results are organized into three sections:

- IMAGE 8-jre**: Last updated 3 days ago by dojank. It lists three digest tags: b6a62effc7a4, facea7537745, and 3a26dba810e4. OS/ARCH columns show windows/amd64, windows/amd64, and linux/amd64 respectively. Compressed sizes are 5.38 GB, 1.64 GB, and 108.76 MB. A 'docker pull openjdk:8-jre' button is present.
- IMAGE 8-jre-windowsservercore-ltsc2016**: Last updated 5 days ago by dojank. It lists one digest tag: b6a62effc7a4. OS/ARCH column shows windows/amd64. Compressed size is 5.38 GB. A 'docker pull openjdk:8-jre-windowsserver' button is present.
- IMAGE 8-jre-windowsservercore-1809**: Last updated 5 days ago by dojank. It lists one digest tag: b6a62effc7a4. OS/ARCH column shows windows/amd64. Compressed size is 5.38 GB. A 'docker pull openjdk:8-jre-windowsserver' button is present.

Below the search results, a code editor window is visible, showing a Dockerfile for a Java application. The Dockerfile content is as follows:

```
1 FROM openjdk:8
2
3 # We can only take jre by using FROM openjdk:8-jre
4 # Then we have to compile and copy class files from local to docker image while creation
5
6 COPY ./usr/src/myapp
7 COPY HelloWorld.java /usr/src/myapp
8
9 WORKDIR /usr/src/myapp
10
11 RUN javac HelloWorld.java
12
13 CMD ["java", "HelloWorld"]
```

The code editor interface includes tabs for Dockerfile, admin.sql, UPDATE dbo.student SET is_active = 0 WHERE email, SET @errorRecord = (SELECT, and others. The status bar at the bottom indicates 14 lines, 296 characters selected, master, Tab Size: 4, and Plain Text.

The screenshot shows a Sublime Text window with multiple tabs open. The active tab contains Java code for a `HelloWorld` class:

```
1 /**
2  * @author Vijay
3  */
4
5 public class HelloWorld {
6
7     public static void main(String[] args) {
8         System.out.println("Hello from Java Application! Welcome to Docker World");
9     }
10 }
```

Below the code, the status bar indicates "Line 11, Column 2; Saved C:\Users\vijayk\git\docker-samples\java-helloworld\HelloWorld.java (UTF-8)".

The screenshot shows a terminal window with the following command history and output:

```
MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ cd java-helloworld/
$ ls -l
total 2
-rw-r--r-- 1 vijayk 197121 309 May 19 09:10 Dockerfile
-rw-r--r-- 1 vijayk 197121 190 May 19 09:10 HelloWorld.java

$ docker build -t java-helloworld .
Sending build context to Docker daemon 4.096kB
Step 1/5 : FROM openjdk:8
8: Pulling from library/openjdk
376057acfcfa1: Pulling fs layer
5a63a0a859d8: Pulling fs layer
49e6548a8c952: Pulling fs layer
2adae3950dd4: Pulling fs layer
0a297eaf9ac: Pulling fs layer
51607e1c215b: Pulling fs layer
f7c02da203f1: Pulling fs layer
0a297eaf9ac: Waiting
51607e1c215b: Waiting
f7c02da203f1: Waiting
2adae3950dd4: Waiting
5a63a0a859d8: Verifying checksum
5a63a0a859d8: Download complete
49e6548a8c952: Verifying checksum
49e6548a8c952: Download complete
0a297eaf9ac: Verifying checksum
0a297eaf9ac: Download complete
51607e1c215b: Verifying checksum
51607e1c215b: Download complete
376057acfcfa1: Verifying checksum
376057acfcfa1: Download complete
376057acfcfa1: Pull complete
5a63a0a859d8: Pull complete
49e6548a8c952: Pull complete
2adae3950dd4: Verifying checksum
2adae3950dd4: Download complete
f7c02da203f1: Verifying checksum
f7c02da203f1: Download complete
2adae3950dd4: Pull complete
0a297eaf9ac: Pull complete
51607e1c215b: Pull complete
f7c02da203f1: Pull complete
Digest: sha256:a101b81a950114863da9db3b64e8de73a5c98641f53abff6fe152fe45b48ba96
status: Downloaded newer image for openjdk:8
```

```
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED     SIZE
<none>              <none>   f86eb97cf61c  50 seconds ago  510MB
alpine-scriptfile  latest   a46e039f68c5  3 hours ago   5.61MB
alpine              latest   82dc2c2d33  3 hours ago   5.61MB
alpine              8       82dc2c2d33  11 hours ago  5.61MB
openjdk             8       1077d3b5882  3 days ago    510MB
java-helloworld    latest   b57ec723abc6  8 days ago    398MB
<none>
ubuntu              latest   d7834609a796  8 days ago    265MB
<none>              latest   1d622ef88b13  3 weeks ago   73.9MB
alpine              <none>   f70734b6a266  3 weeks ago   5.61MB
openjdk             8-jre   2a3181d4c6eb  3 weeks ago   265MB
kubernetesui/dashboard  v2.0.0  8b32422733b3  3 weeks ago   22.2MB
kubernetesui/metrics-scrapers  v1.0.4  86262685d9ab  7 weeks ago   36.9MB
docker/desktop-storage-provisioner  v1.1.0  e704287ce7a3  7 weeks ago   41.1MB
docker/desktop-network-provisioner  v1.1.0  609a0555d7b  2 months ago  33.1MB
docker/desktop-vpnkit-controller  v1.0   9d437c55a3aa  2 months ago  36.6MB
docker/desktop-kubernetes  kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  27.9MB
k8s.gcr.io/kube-scheduler  v1.16.5  b4d073a9efdf0  4 months ago  83.5MB
k8s.gcr.io/kube-proxy   v1.16.5  0ee1b8a3ebe0  4 months ago  82.7MB
k8s.gcr.io/kube-apiserver  v1.16.5  fc838b21afbb  4 months ago  15.9MB
k8s.gcr.io/kube-controller-manager  v1.16.5  441835dd2301  4 months ago  15.1MB
docker/kube-compose-controller  v0.4.25-alpha1  129151cdff35f  6 months ago  35.6MB
docker/kube-compose-api-server  v0.4.25-alpha1  989749268895  6 months ago  50.7MB
docker/kube-compose-installer  v0.4.25-alpha1  2a71ac5a1359  6 months ago  42.3MB
k8s.gcr.io/kube-controller-manager  v1.15.5  3399a72fala9  7 months ago  15.9MB
k8s.gcr.io/kube-apiserver  v1.15.5  e534b1952a0d  7 months ago  20.7MB
k8s.gcr.io/kube-proxy   v1.15.5  chd721fecc99  7 months ago  82.4MB
k8s.gcr.io/kube-scheduler  v1.15.5  fab2ded59dd  7 months ago  81.1MB
k8s.gcr.io/etcdd   3.3.15-0   b2756210eab  8 months ago  24.7MB
k8s.gcr.io/coredns   1.6.2   bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller  v0.4.23   a8c3d87a58e7  11 months ago  35.3MB
docker/kube-compose-api-server  v0.4.23   f3591b2cb223  11 months ago  49.9MB
k8s.gcr.io/coredns   1.3.1   eb516548c180  16 months ago  40.3MB
k8s.gcr.io/etcdd   3.3.10   2c4adeb1bd4f  17 months ago  25.8MB
k8s.gcr.io/pause    3.1     da86e6ba6cal  2 years ago   74.2kB
openjdk             9-b136-jre  88fc12e90817  3 years ago   398MB
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$
```

```
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker rm --help
Usage: docker rm [OPTIONS] CONTAINER [CONTAINER...]
Remove one or more containers

Options:
  -f, --force    Force the removal of a running container (uses SIGKILL)
  -l, --link     Remove the specified link
  -v, --volumes  Remove anonymous volumes associated with the container
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm --help
Usage: docker image rm [OPTIONS] IMAGE [IMAGE...]
Remove one or more images

Aliases:
  rmi, remove

Options:
  -f, --force    Force removal of the image
  --no-prune   Do not delete untagged parents
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$
```

docker rm --help

docker image rm --help

<https://stackoverflow.com/questions/36584122/how-to-get-the-list-of-dependent-child-images-in-docker>

```
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld
$ docker images --filter since=077d23b5882
REPOSITORY          TAG        IMAGE ID      CREATED     SIZE
<none>              <none>    f86eb97cf61c  12 minutes ago  510MB
alpine-scriptfile   latest    a46e039f68c5  3 hours ago   5.61MB
<none>              <none>    82dbc2cdfd63  3 hours ago   5.61MB
alpine               latest    1077d23b5882  11 hours ago  5.61MB
java-helloworld     latest    b57ec723abc6  8 days ago    398MB
<none>              <none>    d7834609a9f6  8 days ago    265MB
ubuntu               latest    1d622ef86b13  3 weeks ago   73.9MB
alpine               <none>    f70734b6a266  3 weeks ago   5.61MB
openjdk               latest    2a3181d4c6eb  3 weeks ago   265MB
kubernetes           dashboard v2.0.0       8632422733b3  3 weeks ago   22.2MB
kubernetes           metrics-scrap V1.0.4       8626265d9ab  7 weeks ago   36.9MB
docker/kube-topology-provisioner v1.1       e0f587a535  7 weeks ago   41.0MB
docke/kube-storage-provisioner  v1.0       05a0f658b7b  2 months ago  33.1MB
docke/kube-vpnkit-controller v1.0       79da37e5a3aa  2 months ago  36.6MB
docke/kube-kubernetes kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-controller-manager v1.16.5   441835dd2301  4 months ago  15.1MB
k8s.gcr.io/kube-scheduler   v1.16.5   b4d073a9efdfa  4 months ago  83.5MB
k8s.gcr.io/kube-proxy      v1.16.5   0ee1b8a3ebe0  4 months ago  82.7MB
k8s.gcr.io/kube-apiserver  v1.16.5   fc838b21afbb  4 months ago  159MB
docke/kube-compose-controller v0.4.25-alpha1 129151cdff35f  6 months ago  35.6MB
docke/kube-compose-api-server v0.4.25-alpha1 989749268895  6 months ago  50.7MB
docke/kube-compose-installer v0.4.25-alpha1 9871ac5a1359  6 months ago  42.3MB
k8s.gcr.io/kube-controller-manager v1.15.5   1399a72fala9  7 months ago  159MB
k8s.gcr.io/kube-proxy      v1.15.5   cbdf721fe99  7 months ago  82.4MB
k8s.gcr.io/kube-apiserver  v1.15.5   e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-scheduler   v1.15.5   fab2d2ed59d  7 months ago  81.1MB
k8s.gcr.io/etcfd          3.3.15-0   bf261d157914  9 months ago  44.1MB
k8s.gcr.io/coredns         1.6.2       a8c3d87a58e  11 months ago  35.3MB
docke/kube-compose-controller v0.4.23   f3591b2cc223  11 months ago  49.9MB
k8s.gcr.io/coredns         1.6.1       eb516548c180  16 months ago  40.3MB
k8s.gcr.io/etcfd          3.3.10    2c4adeb21b4f  17 months ago  25.8MB
k8s.gcr.io/pause          3.1       da86e6ba6cal  2 years ago   742kB
openjdk               9-b136-jre  88fc12e90817  3 years ago   398MB
```

```
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld
$ docker images --filter since=077d23b5882
REPOSITORY          TAG        IMAGE ID      CREATED     SIZE
<none>              <none>    f86eb97cf61c  16 minutes ago  510MB
alpine-scriptfile   latest    a46e039f68c5  3 hours ago   5.61MB
<none>              <none>    82dbc2cdfd63  3 hours ago   5.61MB
alpine               latest    1077d23b5882  11 hours ago  5.61MB
java-helloworld     latest    b57ec723abc6  8 days ago    398MB
<none>              <none>    d7834609a9f6  8 days ago    265MB
ubuntu               latest    1d622ef86b13  3 weeks ago   73.9MB
alpine               <none>    f70734b6a266  3 weeks ago   5.61MB
openjdk               latest    2a3181d4c6eb  3 weeks ago   265MB
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld
$ docker images --filter since=f077d23b6a266
REPOSITORY          TAG        IMAGE ID      CREATED     SIZE
<none>              <none>    f86eb97cf61c  16 minutes ago  510MB
alpine-scriptfile   latest    a46e039f68c5  3 hours ago   5.61MB
<none>              <none>    82dbc2cdfd63  3 hours ago   5.61MB
alpine               latest    1077d23b5882  11 hours ago  5.61MB
java-helloworld     latest    b57ec723abc6  8 days ago    398MB
<none>              <none>    d7834609a9f6  8 days ago    265MB
ubuntu               latest    1d622ef86b13  3 weeks ago   73.9MB
vijayk@DESKTOP-OMSLGCQ MINGW64 ~/git/docker-samples/java-helloworld
$ docker images --filter since=8b32422733b3
REPOSITORY          TAG        IMAGE ID      CREATED     SIZE
<none>              <none>    f86eb97cf61c  16 minutes ago  510MB
alpine-scriptfile   latest    a46e039f68c5  3 hours ago   5.61MB
<none>              <none>    82dbc2cdfd63  3 hours ago   5.61MB
alpine               latest    1077d23b5882  11 hours ago  5.61MB
java-helloworld     latest    b57ec723abc6  8 days ago    398MB
<none>              <none>    d7834609a9f6  8 days ago    265MB
ubuntu               latest    1d622ef86b13  3 weeks ago   73.9MB
alpine               <none>    f70734b6a266  3 weeks ago   5.61MB
openjdk               latest    2a3181d4c6eb  3 weeks ago   265MB
```

docker images --filter since=8b32422733b3
 docker inspect --format='{{.Id}} {{.Parent}}' \
 \$(docker images --filter since=8b32422733b3 --quiet)

```

MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
openjdk 8 b57ec723abc6 3 days ago 510MB
java-helloworld latest d7834609af96 8 days ago 265MB
ubuntu latest 1d622ef86b13 3 weeks ago 73.9MB

vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker images --filter since=8b32422733b3
REPOSITORY TAG IMAGE ID CREATED SIZE
<none> <none> f86eb97cf61c 16 minutes ago 510MB
alpine-scriptfile latest a46e039f68c5 3 hours ago 5.61MB
<none> <none> 82dbc2cdfd63 3 hours ago 5.61MB
alpine latest 8729cf9d8d6e 11 hours ago 5.61MB
openjdk 8 1077d23b5b882 3 days ago 510MB
java-helloworld latest b57ec723abc6 8 days ago 398MB
<none> <none> d7834609af96 8 days ago 265MB
ubuntu latest 1d622ef86b13 3 weeks ago 73.9MB
alpine <none> f70734b6a266 3 weeks ago 5.61MB
openjdk 8-jre 2a181d4c6eb 3 weeks ago 265MB

vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker images --filter since=8b32422733b3
REPOSITORY TAG IMAGE ID CREATED SIZE
<none> <none> f86eb97cf61c 21 minutes ago 510MB
alpine-scriptfile latest a46e039f68c5 3 hours ago 5.61MB
<none> <none> 82dbc2cdfd63 3 hours ago 5.61MB
alpine latest 8729cf9d8d6e 11 hours ago 5.61MB
openjdk 8 1077d23b5b882 3 days ago 510MB
java-helloworld latest b57ec723abc6 8 days ago 398MB
<none> <none> d7834609af96 8 days ago 265MB
ubuntu latest 1d622ef86b13 3 weeks ago 73.9MB
alpine <none> f70734b6a266 3 weeks ago 5.61MB
openjdk 8-jre 2a181d4c6eb 3 weeks ago 265MB

vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker inspect --format='{{.Id}} {{.Parent}}' $(docker images --filter since=8b32422733b3 --quiet)
sh2a56:f86eb97cf61c0f8e225b26066c3c0f9d78e9d32191942538d3d2615b61fe40c sha256:1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
sh2a56:a46e039f68c54d408b66c65cc226afc695b34c06f5f8486a70d14aa644a4ad9 sha256:c3354a45849d817345502295f4ffed54617b8ea5c3842a8cd7307685c0d637
sh2a56:82dbc2cdfd63f0a3fa09899a8996f4953415eb08916c0532fb2dcda021b9ef sha256:21cccfc6b6321b6bb23fac5a05a3ce1ef5ef04860792580f4966a78e97c237d8
sh2a56:8729cf9d8e03fa03fa09899a8996f4953415eb08916c0532fb2dcda021b9ef sha256:fb79af14839273a15c431b199c0ba00fcbb58e2518d075f9995e289f625ce08
sh2a56:1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875a054f18990
sh2a56:b57ec723abc6f4d408b66c65cc226afc695b34c06f5f8486a70d14aa644a4ad9 sha256:6fbfab41fe89b7e491000c4863a9acf2058f2da40659334fefeea2a0c17a1733
sh2a56:8729cf9d8e03fa03fa09899a8996f4953415eb08916c0532fb2dcda021b9ef sha256:02c937396af6bad1f69d7090ea0f8f01iae050bf5d8ce3871e66be3dc5a8b056
sh2a56:1d622ef86b138c74821707885b54975bc8e119404917a613598b1
sh2a56:f70734b6a266d6dcba54c383274821707885b54975bc8e119404917a613598b1
sh2a56:2a3181d4c6eb08a1a598f736cf4d1e0a1416db380ebe8934e89ab868171a997
vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ 

```

```

MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
alpine <none> f86eb97cf61c 21 minutes ago 510MB
alpine-scriptfile latest a46e039f68c5 3 hours ago 5.61MB
<none> <none> 82dbc2cdfd63 3 hours ago 5.61MB
alpine latest 8729cf9d8d6e 11 hours ago 5.61MB
openjdk 8 1077d23b5b882 3 days ago 510MB
java-helloworld latest b57ec723abc6 8 days ago 398MB
<none> <none> d7834609af96 8 days ago 265MB
ubuntu latest 1d622ef86b13 3 weeks ago 73.9MB
alpine <none> f70734b6a266 3 weeks ago 5.61MB
openjdk 8-jre 2a181d4c6eb 3 weeks ago 265MB

vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker inspect --format='{{.Id}} {{.Parent}}' $(docker images --filter since=8b32422733b3 --quiet)
sh2a56:f86eb97cf61c0f8e225b26066c3c0f9d78e9d32191942538d3d2615b61fe40c sha256:1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
sh2a56:a46e039f68c54d408b66c65cc226afc695b34c06f5f8486a70d14aa644a4ad9 sha256:c3354a45849d817345502295f4ffed54617b8ea5c3842a8cd7307685c0d637
sh2a56:82dbc2cdfd63f0a3fa09899a8996f4953415eb08916c0532fb2dcda021b9ef sha256:21cccfc6b6321b6bb23fac5a05a3ce1ef5ef04860792580f4966a78e97c237d8
sh2a56:8729cf9d8e03fa03fa09899a8996f4953415eb08916c0532fb2dcda021b9ef sha256:fb79af14839273a15c431b199c0ba00fcbb58e2518d075f9995e289f625ce08
sh2a56:1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875a054f18990
sh2a56:b57ec723abc6f4d408b66c65cc226afc695b34c06f5f8486a70d14aa644a4ad9 sha256:6fbfab41fe89b7e491000c4863a9acf2058f2da40659334fefeea2a0c17a1733
sh2a56:8729cf9d8e03fa03fa09899a8996f4953415eb08916c0532fb2dcda021b9ef sha256:02c937396af6bad1f69d7090ea0f8f01iae050bf5d8ce3871e66be3dc5a8b056
sh2a56:1d622ef86b138c74821707885b54975bc8e119404917a613598b1
sh2a56:f70734b6a266d6dcba54c383274821707885b54975bc8e119404917a613598b1
sh2a56:2a3181d4c6eb08a1a598f736cf4d1e0a1416db380ebe8934e89ab868171a997
vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm 1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
Error response from daemon: conflict: unable to delete 1077d23b5882 (cannot be forced) - image has dependent child images

vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm f86eb97cf61c0f8e225b26066c3c0f9d78e9d32191942538d3d2615b61fe40c
Deleted: sh2a56:f86eb97cf61c0f8e225b26066c3c0f9d78e9d32191942538d3d2615b61fe40c
Deleted: sh2a56:d9df8f59ea054300e98f154b635d75846d74cb4fb4bb1494b5d6b46832eed2

vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm 1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
Untagged: openjdk:8
Untagged: openjdk:8@sha256:8824001557747a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
Deleted: sha256:8824001557747a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
Deleted: sha256:82c27f6806c9920b0d30bb0b3be058ce2293f4782cd85b434a38c70ff27
Deleted: sha256:a476d161037392f5ab440635f7dd19273d6d1a63e0133fd7b47f3ec44
Deleted: sha256:59c366baaf28249e406a6021daba98a361b862b8c44d8a63f047d183b34db963
Deleted: sha256:8c0234b86056c009036f0c31efb9a726412392d9872dacf95103767ac3b101
vijayk@DESKTOP-0H5LGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ 

```

docker image rm f86eb97cf61c0f8e225b26066c3c0f9d78e9d32191942538d3d26215b61fe40c
 docker image rm 1077d23b5882f0e155f71471a258fecdd4d8ea5e5e4875ae61eb5b5054f18990c
 docker inspect --format='{{.Id}} {{.Parent}}' \$(docker images --filter since=8b32422733b3 --quiet)

```

MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ docker inspect --format='{{.Id}} {{.Parent}}' \
> $(docker images --filter since=8b32422733b3 --quiet)
sha256:f66ab97cf61c0f8e225b260063c0f0f7d78e9d32191942538d3d26215b1fe40c sha256:1077d2b35882f0e155f71471a258fec4d8ea5e4875ae61eb5b5054f18990c
sha256:a46e039f63c54ad408666ec65cc6c6a695fc695bdc0f57848ea0d14aa644a4d9 sha256:c3534a45849d81734502295f4fdded54617b8eaa5c3842a8cd7307685c0d637
sha256:b7e7c723abc1c6c6229fd7778c28ac929b5d5ed062fbba4620fd69210d984f54 sha256:21cccf6b6321b6bb23fa5ca50a53ce1ef5e04860792580f496678e97c237d8
sha256:8729cf9d8dead3aae97b2ab5a610374c7faa5112fac63dc145c128b99b253 sha256:fb79af148392731a5c4318199c0ba0fcbs8e218d075f9995e289f625ce08
sha256:1077d235882f0e155f71471a258fec4d8ea5e4875ae1eb5b5054f18990c
sha256:6bfbaf4e1fe897e491000c4863a9aacf2058f2da40659334feea2a0c17a1733
sha256:d7834609af9613b568f734d7d27d5c89c0424032a7f4403bf402e891c62c9fe sha256:02c937396af6b6ad1f69d7090ea0f8f101ae050bfd58c3871e66be3dc5a8b056
sha256:1d622ef86b138c7e96d4f797b5e4baca3249f030c575b9337638594fb63f01
sha256:f70734b6a266dcbsf4c383274821207885b549b75c8e119404917a135981a
sha256:2a3181d4c6808a1a598f236cf4d1e0a1416db380ebe8934e89ab868171a997

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$ docker image rm 1077d2b35882f0e155f71471a258fec4d8ea5e4875ae61eb5b5054f18990c
Error response from daemon: conflict: unable to delete 1077d2b35882 (cannot be forced) - image has dependent child images

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$ docker image rm f8e9b97cf61c0f8e225b2600663c0f9d78e9d32191942538d3d26215b1fe40c
Deleted: sha256:f8e9b97cf61c0f8e225b2600663c0f9d78e9d32191942538d3d26215b1fe40c
Deleted: sha256:9d9ff5f9ea054300e98f1154b635d75846df4cb4ff4b1494b5d6b46832ed2

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$ docker image rm 1077d2b35882f0e155f71471a258fec4d8ea5e4875ae61eb5b5054f18990c
Untagged: openjdk:8
Deleted: openjdk:8
Deleted: sha256:a101b1a950114863da9db3b64ae7e735fc98641f53abbff6fe152fe45b48ba96
Deleted: sha256:1077d2b35882f0e155f71471a258fec4d8ea5e4875ae61eb5b5054f18990c
Deleted: sha256:b57ec723abc1c6c6229fd7778c28ac929b5d5ed062fbba4620fd69210d984f54
Deleted: sha256:6f8c27f680e9920bb03b089ba3be058c4e2293fa728cdcb5b4e34438c70f2f7
Deleted: sha256:4476d161037392f5ab440635fddd392a70723d6da1e63ae133fd7b47f3ec44
Deleted: sha256:46dd2416bf75e095709aa81a1324d0977a3693630
Deleted: sha256:1fc7b5b5a62c4ac543887b1debaab65406341fb7d342eb222fd1c1f7e6152a4
Deleted: sha256:93c666fa28249e606a021d5b9862b8c44d8a63f074d183b34db963
Deleted: sha256:2a3181d4c6808a1a598f236cf4d1e0a1416db380ebe8934e89ab868171a997

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$
```

```

MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ docker ps -l
CONTAINER ID        IMAGE               COMMAND             CREATED             STATUS              PORTS               NAMES
cb7f721f6c99      e534b1952a0d   7 months ago       Up 7 months ago    2074/tcp            cb7f721f6c99
82dbc2cdfd63      82dbc2cdfd63   4 hours ago        Up 4 hours ago     5.61MB             82dbc2cdfd63
8729cf9d8d66      8729cf9d8d66   12 hours ago       Up 12 hours ago    5.61MB             8729cf9d8d66
7834609a9f96      7834609a9f96   8 days ago         Up 8 days ago      3988MB            7834609a9f96
ubuntu             ubuntu             1d622ef86b13   3 weeks ago        Up 3 weeks ago     73.9MB            ubuntu
f70734b6a266      f70734b6a266   3 weeks ago        Up 3 weeks ago     5.61MB            f70734b6a266
e534b1952a0d      e534b1952a0d   7 months ago       Up 7 months ago    2074/tcp            e534b1952a0d
3399a72fa1a9      3399a72fa1a9   7 months ago       Up 7 months ago    159MB              3399a72fa1a9
fb2d2ded59d9      fb2d2ded59d9   7 months ago       Up 7 months ago    81.1MB             fb2d2ded59d9
b2756210eab       b2756210eab   8 months ago       Up 8 months ago    247MB              b2756210eab
bf261d157914      bf261d157914   9 months ago       Up 9 months ago    44.1MB             bf261d157914
a8c3d87a58e7       a8c3d87a58e7   11 months ago      Up 11 months ago   35.3MB             a8c3d87a58e7
f3591b2cc233      f3591b2cc233   11 months ago      Up 11 months ago   49.9MB             f3591b2cc233
e6516548c180       e6516548c180   16 months ago      Up 16 months ago   40.3MB             e6516548c180
2c4adeb1b4f       2c4adeb1b4f   17 months ago      Up 17 months ago   258MB              2c4adeb1b4f
d8a86e6b6a6cal    d8a86e6b6a6cal  2 years ago        Up 2 years ago     742KB              d8a86e6b6a6cal
88fc11e90817       88fc11e90817   3 years ago        Up 3 years ago     398MB              88fc11e90817

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$ docker images --filter since=2a3181d4c6eb
REPOSITORY          TAG      IMAGE ID      CREATED             SIZE
alpine-scriptfile  latest   a46e039f68c5   3 hours ago       5.61MB
<none>              <none>   82dbc2cdfd63   4 hours ago       5.61MB
alpine              latest   8729cf9d8d66   12 hours ago      5.61MB
java-helloworld    latest   7834609a9f96   8 days ago        3988MB
<none>              <none>   d7834609a9f96   8 days ago        26519MB
ubuntu              latest   1d622ef86b13   3 weeks ago       73.9MB
alpine              <none>   f70734b6a266   3 weeks ago       5.61MB
openjdk             8-jre   2a3181d4c6eb   3 weeks ago       265MB

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$ docker images --filter since=8b32422733b3
REPOSITORY          TAG      IMAGE ID      CREATED             SIZE
alpine-scriptfile  latest   a46e039f68c5   3 hours ago       5.61MB
<none>              <none>   82dbc2cdfd63   4 hours ago       5.61MB
alpine              latest   8729cf9d8d66   12 hours ago      5.61MB
java-helloworld    latest   b57ec723abc6   8 days ago        590MB
<none>              <none>   d7834609a9f96   8 days ago        265MB
ubuntu              latest   1d622ef86b13   3 weeks ago       73.9MB
alpine              <none>   f70734b6a266   3 weeks ago       5.61MB
openjdk             8-jre   2a3181d4c6eb   3 weeks ago       265MB

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$ docker inspect --format='{{.Id}} {{.Parent}}' $(docker images --filter since=8b32422733b3 --quiet)
sha256:a46e039f68c5d30a3fa0f9089a8593415b98916c053fb21bdc0a21b9ef sha256:c3534a45849d81734502295f4fdded54617b8eaa5c3842a8cd7307685c0d637
sha256:8729cf9d8dead3aae97b2ab5a610374c7faa5112fac63dc145c128b99b253 sha256:21cccf6b6321b6bb23fa5ca50a53ce1ef5e04860792580f496678e97c237d8
sha256:b57ec723abc1c6c6229fd7778c28ac929b5d5ed062fbba4620fd69210d984f54 sha256:fb79af148392731a5c4318199c0ba0fcbs8e218d075f9995e289f625ce08
sha256:8729cf9d8dead3aae97b2ab5a610374c7faa5112fac63dc145c128b99b253 sha256:fb79af148392731a5c4318199c0ba0fcbs8e218d075f9995e289f625ce08
sha256:1077d2b35882f0e155f71471a258fec4d8ea5e4875ae61eb5b5054f18990c
sha256:6bfbaf4e1fe897e491000c4863a9aacf2058f2da40659334feea2a0c17a1733
sha256:d7834609af9613b568f734d7d27d5c89c0424032a7f4403bf402e891c62c9fe sha256:02c937396af6b6ad1f69d7090ea0f8f101ae050bfd58c3871e66be3dc5a8b056
sha256:1d622ef86b138c7e96d4f797b5e4baca3249f030c575b9337638594fb63f01
sha256:f70734b6a266dcbsf4c383274821207885b549b75c8e119404917a135981a
sha256:2a3181d4c6808a1a598f236cf4d1e0a1416db380ebe8934e89ab868171a997

vijayk@DESKTOP-0MSLGQQ MINGW64 ~git/docker-samples/java-helloworld (master)
$
```

```
MINGW64:/c/Users/vijayj/git/docker-samples/java-helloworld
sha256:f70734ba266db5f4c383274821d0788554b975c8e11940917a61335981a
sha256:2a3181d4ceeb08ala598f236cf4de10a1416db30ebe8934e89ab868171a997

vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker images --filter since=8b3242733b3
REPOSITORY          TAG        IMAGE ID      CREATED             SIZE
alpine-scriptfile  latest     a46e039f68c5  4 hours ago       5.61MB
<none>              <none>    82dbc2cdfd63   4 hours ago       5.61MB
alpine              latest     8729cf9d8d6e  12 hours ago      5.61MB
ubuntu              latest     1d622ef86b13   3 weeks ago       73.9MB
alpine              <none>    f70734b6a266   3 weeks ago       5.61MB
openjdk              8-jre     2a3181d4c46b   3 weeks ago       265MB

vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker image rm a46e039f68c540d86e6c5cc226afcc695b34c06ff5f848e5a0d1aa64a4ad9
Error response from daemon: conflict: unable to delete a46e039f68c5 (must be forced) - image is being used by stopped container 270f49bc9fa3

vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker image rm 82dbc2cdfd63fa03fa0f90898a0886f4953415eb08916c0532fb2dca21b9ef
Deleted: sha256:82dbc2cdfd63fa03fa0f90898a0886f4953415eb08916c0532fb2dca21b9ef
Deleted: sha256:21ccfc6b321b6b23fac5a053c3eaf5e0486079f580f4966a7897c237d8
Deleted: sha256:30f6adab55a3b2228d9e11477e5e77084356203669989343cf3a90b44bd5

vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker image rm 8729cf9d8d6a3ea97b8a5b5a10374cf7fa85117facd31c45c28b9bf253
Error response from daemon: conflict: unable to delete 8729cf9d8d6e (cannot be forced) - image has dependent child images

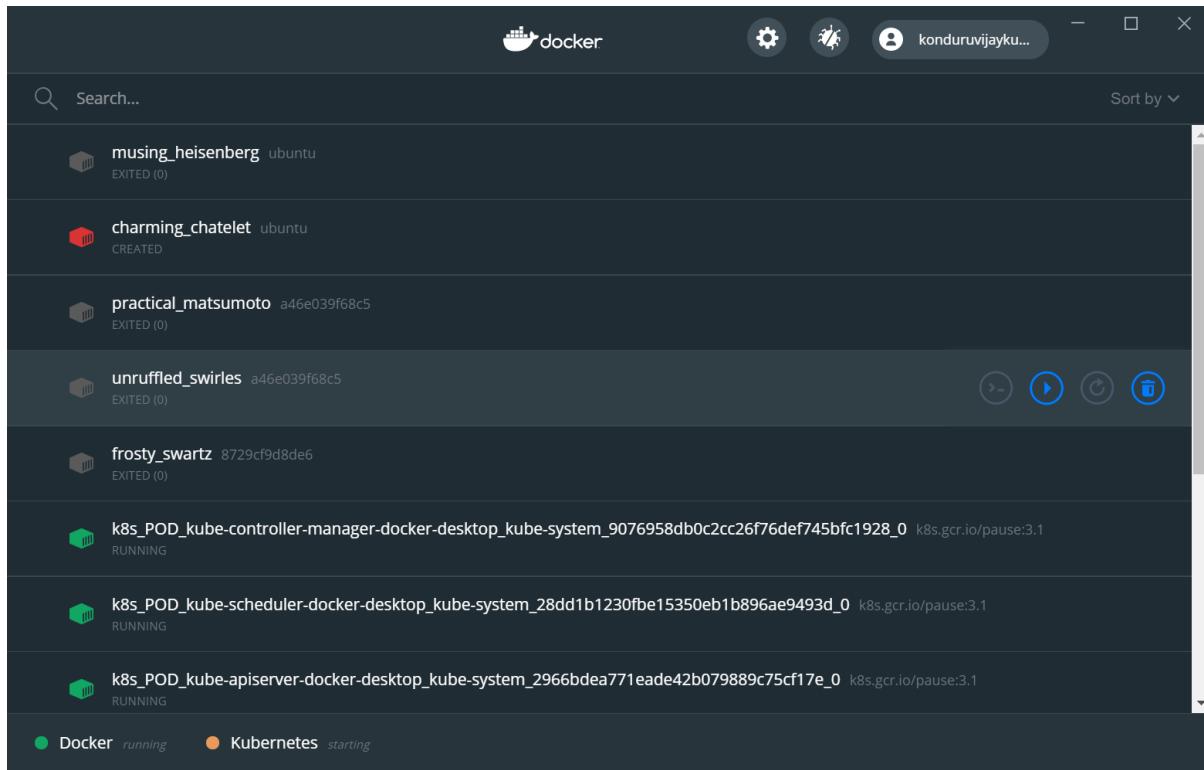
vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker image rm f70734b6a266db5f44c383274821d0788554b975c8e11940917a61335981a
Error response from daemon: conflict: unable to delete f70734b6a266 (cannot be forced) - image has dependent child images

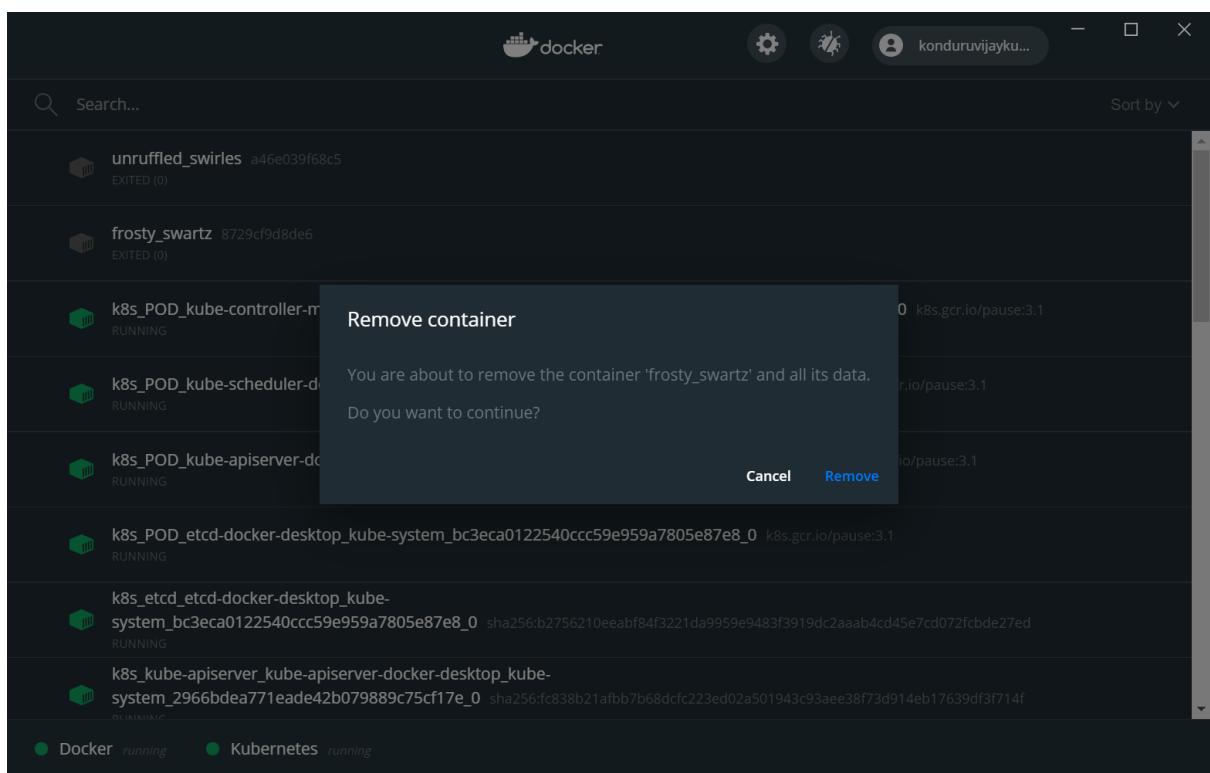
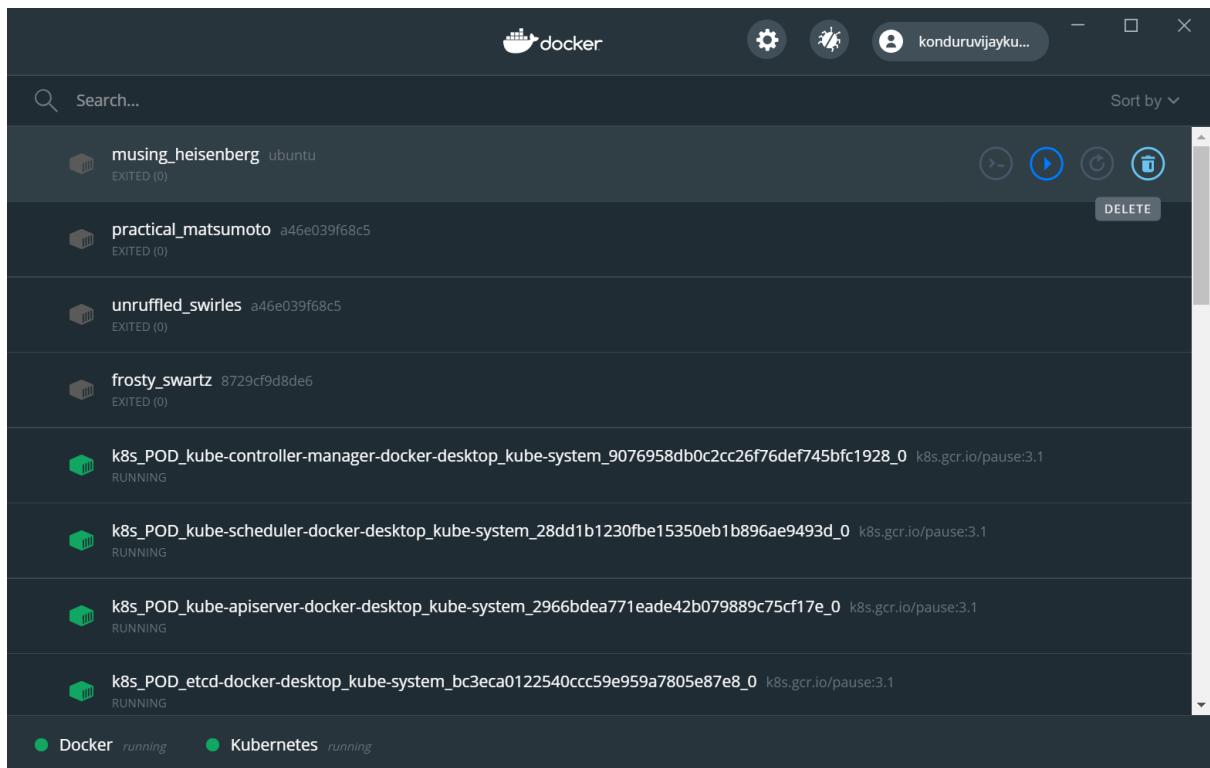
vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker image rm fb97af14839273a1a5c431899c0ba0fcb585e2518d075f9995e289f625ce08
Error response from daemon: conflict: unable to delete fb97af148392 (cannot be forced) - image has dependent child images

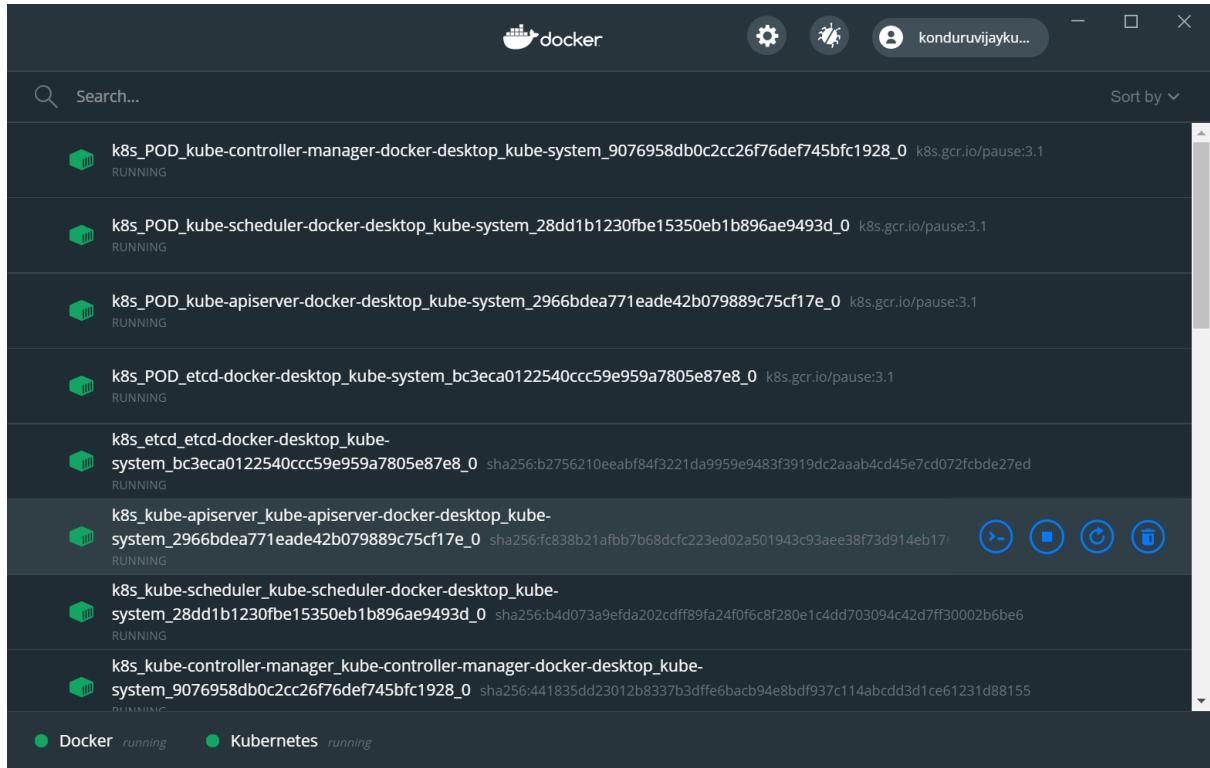
vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
$ docker image rm 2a3181d4c6eb08ala598f236cf4de10a1416db380ebe8934e89ab868171a997
Untagged: openjdk:8-jre
Untagged: openjdk:8-jre
Deleted: sha256:2a3181d4c6eb08ala598f236cf4de10a1416db380ebe8934e89ab868171a997
Deleted: sha256:81359967404dd3265c450a357056da288e789fd4a2d99391f08608124ffff
Deleted: sha256:94a027093905672f679f580d0f2e79f6970f2c48fb2l70a45e6930d5d0736a78f
Deleted: sha256:1fb571971ed426a1a64bc9d48430b20ce4ce5949f096944980d336d78
Deleted: sha256:20d664574d85fb2c1c78193ddd04ca52ds1cbe59398cb6d2e414411039ed3
Deleted: sha256:a8a4ec59d7db05685218d4432f7e707f059fe10e80d377fe46628e74b81
Deleted: sha256:40d297cf5f89a82za4f2c765caaf2085d5aa188137506918e603774b083cb

vijayk@DESKTOP-OMSLGQ: MINGW64 ->/git/docker-samples/java-helloworld [master]
```

\$ docker ps -a	CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
380cc8bb18d5	ubuntu	"bin/bash"		3 hours ago	Exited (0) 3 hours ago		musing_heisenberg
293c2caef292	ubuntu	"C:/Program Files/Gi..."		3 hours ago	Created		charming_chatelet
1d0b85b027a0	a46e039f68c5	"/script.sh"		4 hours ago	Exited (0) 4 hours ago		practical_matsumoto
270f49fc9fa3	a46e039f68c5	"/script.sh"		4 hours ago	Exited (0) 4 hours ago		unruffled_swirls
77da0aebff09	8729cf9d8d66	"echo 'Hello, welcome!'"		12 hours ago	Exited (0) 12 hours ago		frosty_swartz
e4aa0915fd9	e704287ce753	"/storage-provisioner..."		12 hours ago	Up 12 hours		k8s_storage-provisioner_storage-provis
e13207e53303	system_92d67e5a4a...4e11-b9fd-400a-a08a_0	"kube-vpnkit-forward..."		12 hours ago	Up 12 hours		k8s_vpnkit-controller_vpnkit-controle
r_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0	129151cd3f5f	"compose-controller..."		12 hours ago	Up 12 hours		k8s_compose_compose-78f95d4f8c-jcswo_8_d
14b480137f4f	b450f642a2-2f7455e3695_0	"coredns -conf /etc..."		12 hours ago	Up 12 hours		k8s_coredns_coredns-5644d7bd9-rxrxf6_k
371bf642a5f2	b2f61d157914	"coredns -conf /etc..."		12 hours ago	Up 12 hours		k8s_coredns_coredns-5644d7bd9-dw2j8_k
ube-system_f138b7d5	3633-4e13-a046-b3de230el1a53_0	"coredns -conf /etc..."		12 hours ago	Up 12 hours		k8s_coredns_coredns-5644d7bd9-rxrxf6_k
1de38570269	b2f61d157914	"coredns -conf /etc..."		12 hours ago	Up 12 hours		k8s_coredns_coredns-5644d7bd9-dw2j8_k
ube-system_5aeldc25	6248-4e17-9cda-26597c30538a_0	"api-server --kubec..."		12 hours ago	Up 12 hours		k8s_POD_storage-provisioner_kube-syste
cba0d246b29	8938192568859	"api-server --kubec..."		12 hours ago	Up 12 hours		k8s_compose_compose-api-6ffb89d58-4221v_d
_m_92d67e5a4a...4e11-b9fd-400a-a08a_0	9838192568859	"api-server --kubec..."		12 hours ago	Up 12 hours		k8s_POD_compose-api-6ffb89d58-4221v_d
lv_docker_2d049df2-8b47-46e1-8ca4-7e60ea28880a_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_volumes-pause-3.1_kube-syste
4d258727843b	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_volumes-pause-3.1_kube-syste
ocker_d0d49df2-8b47-46e1-8ca4-7e60ea28880a_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_volumes-pause-3.1_kube-syste
495729005fc1	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_volumes-pause-3.1_kube-syste
99b1e957-316a-4def-844e-76fc63a0e623_0	5f25d1ac909	"usr/local/bin/kube..."		12 hours ago	Up 12 hours		k8s_kube-proxy_kube-proxy-hf62k_kube-s
ystem_3f036did-f4d1-a9b9-b0ed-6943bd388648_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_compose-78f95d4f8c-jcswo_8_dock
r_311749f49b-446f-450f-b242-4255e3695_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_coredns-5644d7bd9-dw2j8_kube-
system_5aeldc25-6248-4e17-9cda-26597c30538a_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_coredns-5644d7bd9-dw2j8_kube-
605c508532c7	b2f61d157914	"coredns -conf /etc..."		12 hours ago	Up 12 hours		k8s_POD_coredns-5644d7bd9-rxrxf6_kube-
istem_f138b7d5-3633-4e13-a046-b3de230el1a53_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_volumes-pause-3.1_kube-syste
30aea33a8572	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_kube-proxy-hf62k_kube-syste_3
f0361d14d4-4149-b0ed-6943bd388648_0	441835d2d301	"kube-controller-man..."		12 hours ago	Up 12 hours		k8s_kube-controller-manager_kube-contr
d54a99282d0	b27521020	"etcd --advertise-cl..."		12 hours ago	Up 12 hours		k8s_etcd_etcd-docker-desktop_kube-syst
0ller-manager_docker_desktop_kube-system_07695d8bc22c6f76dfe745bfc1928_0	be65940593a5	"etcd --advertise-cl..."		12 hours ago	Up 12 hours		k8s_kube-scheduler_kube-scheduler-dock
mb_ec3ca012a540cc59e959380a87e8_0	fc3cb38b1afbb	"kube-scheduler --au..."		12 hours ago	Up 12 hours		k8s_kube-apiserver_kube-apiserver-dock
er_desktop_kube-system_2966bdea771eadec42b0789897c5cf17e_0	6785a1b470	"kube-scheduler --au..."		12 hours ago	Up 12 hours		k8s_kube-apiserver_kube-apiserver-dock
kube_system_2966bdea771eadec42b0789897c5cf17e_0	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_kube-apiserver_docker_desktop_
d214e52154a5	k8s_gcr.io/pause:3.1	"/pause"		12 hours ago	Up 12 hours		k8s_POD_etcd_docker_desktop_kube-syste
m_bc1c123540cc59e959380a87e8_0	9f833e5509e	"kube-scheduler --au..."		12 hours ago	Up 12 hours		k8s_POD_kube-scheduler_docker_desktop_







```

MINGW64:/c/Users/vijayk/pit/docker-samples/java-helloworld
Deleted: sha256:cac81188485e01e56459fd9dfc9936675a1b62cacdb4fcfd526e5f32e280387
Deleted: sha256:aa6e039f68c544dd086e6c65cc226afec695b34c06f5f8486570d14aa644a4ad9
vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm f70734b6a266
Error response from daemon: conflict: unable to delete f70734b6a266 (cannot be forced) - image has dependent child images

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker inspect --format='{{.Id}} {{.Parent}}' $(docker images --filter since=8b3242273b3 --quiet)
sha256:aa6e039f68c544dd086e6c65cc226afec695b34c06f5f8486570d14aa644a4ad9 sha256:c3354a45849d817345502295f4fed54617b8eaa5c3842a8cd57307685c0d637
sha256:8729cf9d8de6ad3aae97b5ab5a610374cf4a85112fac63d1c45c128b99eb253 sha256:fb97af14839273ala5c4318199c0ba00fcbb58e2518d075f9995e289f625ce08
sha256:f70734b6a266dc5bf44c383274821207885b549b75c8e119404917a61335981a

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm 8729cf9d8de6
Error response from daemon: conflict: unable to delete 8729cf9d8de6 (cannot be forced) - image has dependent child images

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker inspect --format='{{.Id}} {{.Parent}}' $(docker images --filter since=8b3242273b3 --quiet)
sha256:aa6e039f68c544dd086e6c65cc226afec695b34c06f5f8486570d14aa644a4ad9 sha256:c3354a45849d817345502295f4fed54617b8eaa5c3842a8cd57307685c0d637
sha256:8729cf9d8de6ad3aae97b5ab5a610374cf4a85112fac63d1c45c128b99eb253 sha256:fb97af14839273ala5c4318199c0ba00fcbb58e2518d075f9995e289f625ce08
sha256:f70734b6a266dc5bf44c383274821207885b549b75c8e119404917a61335981a

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker inspect --format='{{.Repository}} {{.Tag}} {{.ImageID}} {{.Created}} {{.Size}}'
REPOSITORY          TAG           IMAGE ID        CREATED         SIZE
alpine-scriptfile  latest        a46e039f68c5    4 hours ago    5.61MB
alpine              latest        8729cf9d8de6   12 hours ago   5.61MB
alpine              <none>       f70734b6a266   3 weeks ago    5.61MB

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm f70734b6a266
Error response from daemon: conflict: unable to delete f70734b6a266 (cannot be forced) - image has dependent child images

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker image rm a46e039f68c5
Untagged: alpine-scriptfile:latest
Deleted: sha256:a46e039f68c544dd086e6c65cc226afec695b34c06f5f8486a70d14aa644a4ad9
Deleted: sha256:c3354a45849d817345502295f4fed54617b8eaa5c3842a8cd57307685c0d637
Deleted: sha256:f70734b6a266dc5bf44c383274821207885b549b75c8e119404917a61335981a

vijayk@DESKTOP-0N5LGQ: MINGW64 ~/git/docker-samples/java-helloworld (master)
$ 
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ docker image rm alpine:latest
alpine          latest              8729cf9d8de6   12 hours ago   5.61MB
alpine          <none>             f70734b6a266   3 weeks ago   5.61MB
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker image rm f70734b6a266
Error response from daemon: conflict: unable to delete f70734b6a266 (cannot be forced) - image has dependent child images
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker inspect [{}].id` {{.Parent}}` $ docker images --filter since=8b32422733b3 --quiet)
Deleted: sha256:a46e039f6c85cad4086ee6c5cc226afc695b34c06ff5f8486a70d14a6444ad9
Deleted: sha256:3354a5849df3745502295f4ded54617b8ea5c3842a8cd57307685c0d637
Deleted: sha256:f420fdac8ef78baef380760464f478b889610189b05309079348a681de90ca0
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker images --filter since=8b32422733b3
REPOSITORY          TAG           IMAGE ID        CREATED          SIZE
alpine              latest        8729cf9d8de6   12 hours ago   5.61MB
alpine              <none>       f70734b6a266   3 weeks ago   5.61MB
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker image rm f70734b6a266
Error response from daemon: conflict: unable to delete f70734b6a266 (cannot be forced) - image has dependent child images
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker image rm 8729cf9d8de6
Untagged: alpine:latest
Deleted: sha256:8729cf9d8de6ad3eae97b8ab5a610374c7f4a85112fac63dic45c128b99eb253
Deleted: sha256:fb97af1483973d1c45c128b99eb253sha256:fb97af1483973d1a5c4318199c0ba00fcbb58e2518d075f9995e289f625ce08
Deleted: sha256:f70734b6a266dcf544c383274821207885b549b75c8e119404917a61335981a
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker images --filter since=8b32422733b3
REPOSITORY          TAG           IMAGE ID        CREATED          SIZE
alpine              <none>       f70734b6a266   3 weeks ago   5.61MB
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker image rm f70734b6a266
Error response from daemon: conflict: unable to delete f70734b6a266 (cannot be forced) - image has dependent child images
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker image rm 8729cf9d8de6
Untagged: alpine:latest
Deleted: sha256:8a339e63dad54c3aaed1834e29692c8492d93f90c59c9781ed79109ea4fb9a54
Deleted: sha256:f70734b6a266dcf544c383274821207885b549b75c8e119404917a61335981a
Deleted: sha256:3e207b409db364b595ba862cdc12be96dcadad8e36c59a03b7b3b61c946a5741a
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/java-helloworld
$ docker image rm f70734b6a266
Untagged: alpine:latest
Deleted: sha256:9a339e63dad54c3aaed1834e29692c8492d93f90c59c9781ed79109ea4fb9a54
Deleted: sha256:f70734b6a266dcf544c383274821207885b549b75c8e119404917a61335981a
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker images
REPOSITORY          TAG           IMAGE ID        CREATED          SIZE
kubernetes/dashboard   v2.0.0      889222733b5   3 weeks ago   222MB
kubernetes/metrics-crash-reporter   v0.14.4     8832620319b   7 weeks ago   56.9MB
docker/desktop-storage-provisioner   v1.1       704287ce753   7 weeks ago   41.8MB
docker/desktop-storage-provisioner   v1.0       605a0f663b7b   2 months ago  33.1MB
docker/desktop-vpn-if-controller   v1.0       79da37e5a3aa  2 months ago  36.6MB
docker/kubernetes   kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376  3 months ago  279MB
k8s.gcr.io/kube-scheduler   v1.16.5     b4d073a9efdf3  4 months ago  83.5MB
k8s.gcr.io/kube-controller-manager   v1.16.5     441835dd2301  4 months ago  15.1MB
k8s.gcr.io/kube-proxy   v1.16.5     0ee1b8a3ebe0  4 months ago  82.7MB
k8s.gcr.io/kube-apiserver   v1.16.5     fc838b21a7bb  4 months ago  159MB
dockersift/kube-compose-controller   v0.4.25-alpha1 129151cd93f3t  6 months ago  35.4MB
dockersift/kube-api-server   v0.4.25-alpha1  89391679595   6 months ago  50.7MB
dockersift/kube-compose-installer   v0.4.25-alpha1 2a71ac51359  6 months ago  42.3MB
k8s.gcr.io/kube-apiserver   v1.15.5     e534b1952a0d  7 months ago  207MB
k8s.gcr.io/kube-proxy   v1.15.5     cbd7f21fecc9  7 months ago  82.4MB
k8s.gcr.io/kube-controller-manager   v1.15.5     1399a72fala9  7 months ago  159MB
k8s.gcr.io/kube-scheduler   v1.15.5     fab2ded59d  7 months ago  81.1MB
k8s.gcr.io/etcd   3.3.15-0    b2756210e0ab  8 months ago  247MB
k8s.gcr.io/coredns   1.6.2      bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller   v0.4.23     a8c3d67a58e7  11 months ago  35.3MB
dockersift/kube-compose-api-server   v0.4.23     f3591224223  11 months ago  48.9MB
k8s.gcr.io/coredns   1.3.1      0e1678c180  16 months ago  40.3MB
k8s.gcr.io/etcd   3.3.10     2c4adeb21b4f  17 months ago  25.8MB
k8s.gcr.io/pause   3.1       da86e6bafcal  2 years ago  742kB
openjdk               9-b136-jre  88fc12e90817  3 years ago  398MB
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$ docker image rm 88fc12e90817
Untagged: openjdk:9-b136-jre
Deleted: openjdk:9-b136-jre
Deleted: 0e1678c18017a37856236dc480d81a126102d758266a9c34d472f7331c0516
Deleted: sha256:a46e039f6c85cad4086ee6c5cc226afc695b34c06ff5f8486a70d14a6444ad9
Deleted: sha256:ffaa5abf51ead398a2e090e010221065542f820ac0d1c8a092b57c642e48ca
Deleted: sha256:9a797bd2d1b216d9cacbb16986c2136f5ca801b8dbdd0709f9c9e92780cf2d
Deleted: sha256:a39983426abff43cef27660bbf7122751ef96525e63c10e7b4d1124c7f0689
Deleted: sha256:ba752ed6f46e698a3b5c97aa42b2b7665bf3c4c11fde89c3d2254ca640049
Deleted: sha256:7687ea35c274a91507a58006d139bf0f5f9c897a1fb893d5a3768fa20454d5e7
vijayk@DESKTOP-0M5LGQ MINGW64 ~ /git/docker-samples/java-helloworld (master)
$
```

```

C:\Users\vijayk\git\docker-samples\java-helloworld\ Dockerfile - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
Dockerfile — docker-samples\java-helloworld × Dockerfile — docker-examples\docker-java-helloworld × admin.sql × \ent SET ×
FROM openjdk:8
# We can only take jre by using FROM openjdk:8-jre
# Then we have to compile and copy class files from local to docker image while creation
COPY . /usr/src/myapp
COPY HelloWorld.java /usr/src/myapp/
WORKDIR /usr/src/myapp
RUN javac HelloWorld.java
CMD ["java", "HelloWorld"]

```

36 characters selected Tab Size: 4 Plain Text

```

MINGW64 / C:\Users\vijayk\git\docker-samples\java-helloworld
$ docker build -t java-helloworld .
Sending build context to Docker daemon 4.096kB
Step 1/5 : FROM openjdk:8
--> 1077d23b5f82
Step 2/5 : COPY HelloWorld.java /usr/src/myapp
--> cd2ea2da8a5
Step 3/5 : WORKDIR /usr/src/myapp
--> Running in 4454dbbf9e92
Removing intermediate container 4454dbbf9e92
Step 4/5 : RUN Javac HelloWorld.java
--> Running in bbe749042e28
Removing intermediate container bbe749042e28
--> 582d2bd0dd13
Step 5/5 : CMD ["java", "HelloWorld"]
--> Running in 9d2f38108fc0
Removing intermediate container 9d2f38108fc0
--> 4aa4ff1ae93
Successfully built 4aa4ff1ae93
Successfully tagged java-helloworld:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker run 4aa4ff1ae93
Hello From Java Application! Welcome to Docker World
vijayk@DESKTOP-0MSLGQQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ 

```

Publish to docker hub

Docker Hub interface showing user repositories:

- konduruvijaykumar / sap-api**: Updated a year ago, 0 stars, 30 downloads, Public.
- konduruvijaykumar / kubernetes-userproxy**: Updated a year ago, 0 stars, 74 downloads, Public.
- konduruvijaykumar / kubernetes-userservice**: Updated a year ago, 0 stars, 64 downloads, Public.
- konduruvijaykumar / kubernetes-app2**: Updated a year ago, 0 stars, 29 downloads, Public.
- konduruvijaykumar / kubernetes-app1**: Updated a year ago, 0 stars, 29 downloads, Public.
- konduruvijaykumar / docker-java-helloworld**: Updated 3 years ago, 0 stars, 55 downloads, Public.

Right sidebar features:

- Create an Organization**: Manage Docker Hub repositories with your team.
- Download Docker Desktop**: Includes a Docker logo icon.
- Secure, Private Repo Pricing**: Includes a lock icon.

```

MINGW64/c/Users/vijay/git/docker-samples/java-helloworld
drwxr-xr-x 1 vijayk 197121 0 May 19 06:29 alpine-linux-scriptfile/
-rw-r--r-- 1 vijayk 197121 352737 May 17 23:03 docker_cheatsheet_r4v2.pdf
-rw-r--r-- 1 vijayk 197121 277251 May 17 23:03 docker-cheat-sheet.pdf
-rw-r--r-- 1 vijayk 197121 230245 May 17 23:03 DockerCheatSheet.pdf
-rw-r--r-- 1 vijayk 197121 308802 May 17 23:05 dockercheatsheet.png
-rw-r--r-- 1 vijayk 197121 8816624 May 19 10:46 docker-work.docx
-rw-r--r-- 1 vijayk 197121 12155830 May 19 10:46 docker-work.pdf
drwxr-xr-x 1 vijayk 197121 0 May 19 08:58 java-helloworld/
-rw-r--r-- 1 vijayk 197121 11558 May 17 22:49 LICENSE
-rw-r--r-- 1 vijayk 197121 82 May 17 22:49 README.md
drwxr-xr-x 1 vijayk 197121 0 May 27 20:12 springboot-mvc-studentinfo/
drwxr-xr-x 1 vijayk 197121 0 May 24 01:41 springboot-studentinfo/
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples (master)
$ cd java-helloworld/
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ ls -l
total 2
-rw-r--r-- 1 vijayk 197121 310 May 19 10:43 Dockerfile
-rw-r--r-- 1 vijayk 197121 190 May 19 09:10 HelloWorld.java
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker login --help
Usage: docker login [OPTIONS] [SERVER]

Log in to a Docker registry.
If no server is specified, the default is defined by the daemon.

Options:
  -p, --password string    Password
  --password-stdin          Take the password from stdin
  -u, --username string    Username
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker login -u konduruvijaykumar
Error: Cannot perform an interactive login from a non TTY device
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker login --username konduruvijaykumar
Error: Cannot perform an interactive login from a non TTY device
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ docker login -u $DOCKER_USER -p $DOCKER_PASSWORD
Error: Cannot perform an interactive login from a non TTY device
vijayk@DESKTOP-OMSLGQ MINGW64 ~/git/docker-samples/java-helloworld (master)
$ 
```

```
Command Prompt
Microsoft Windows [Version 10.0.18363.836]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\vijayk>cd C:\Users\vijayk\git\docker-samples\java-helloworld

C:\Users\vijayk\git\docker-samples\java-helloworld>docker login -u konduruvijaykumar
Password:
Login Succeeded

C:\Users\vijayk\git\docker-samples\java-helloworld>
```

```
C:\Users\vijayk\git\docker-samples\java-helloworld\HelloWorld.java - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
Gti - 835 • HelloWorld.java • My Priority Work.txt • admin.sql • UPDATE dbo.student SET is_active = 0 WHERE email • SET @errorRecord = (SELECT • untitled • Ref No. •
1 /**
2  * @author Vijay
3 *
4 */
5 public class HelloWorld {
6
7     public static void main(String[] args) {
8         System.out.println("Hello from Java Application! Welcome to Docker World - v1.0");
9     }
10 }
11 
```

4 characters selected

master Tab Size: 4 Java

```
C:\ Select Command Prompt
C:\Users\vijayk\git\docker-samples\java-helloworld>docker build -t konduruvijaykumar/java-helloworld:v1.0 .
Sending build context to Docker daemon 4.096kB
Step 1/5 : FROM openjdk:8
--> 1077d23b5882
Step 2/5 : COPY HelloWorld.java /usr/src/myapp
--> 7090847e2327
Step 3/5 : WORKDIR /usr/src/myapp
--> Running in ab9f9e51df26
Removing intermediate container ab9f9e51df26
--> a1fb7a68d8b3
Step 4/5 : RUN java HelloWorld.java
--> Running in 7350d67a254b
Removing intermediate container 7350d67a254b
--> 14b78d029a81
Step 5/5 : CMD ["java", "HelloWorld"]
--> Running in ee367c3a7457
Removing intermediate container ee367c3a7457
--> 27af2a40e78c
Successfully built 27af2a40e78c
Successfully tagged konduruvijaykumar/java-helloworld:v1.0
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run 27af2a40e78c
Hello from Java Application! Welcome to Docker World - v1.0
C:\Users\vijayk\git\docker-samples\java-helloworld>
```

```
C:\ Command Prompt - docker push konduruvijaykumar/java-helloworld:v1.0
Permissions. It is recommended to double check and reset permissions for sensitive files and directories.

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run 27af2a40e78c
Hello from Java Application! Welcome to Docker World - v1.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker images
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
konduruvijaykumar/java-helloworld   v1.0      27af2a40e78c    About a minute ago  518MB
openjdk              8        4aaef4ff1ae93    10 days ago   518MB
kubernetesui/dashboard   v2.0.0    8b32422733b3    2 weeks ago   222MB
kubernetesui/metrics-scrapers   v1.0.4     86262685d9ab    2 months ago  36.9MB
docker/desktop-storage-provisioner  v1.1      e704287ce753    2 months ago  41.8MB
docker/desktop-storage-provisioner  v1.0      665a0f683d7b    2 months ago  33.1MB
docker/desktop-vpnkit-controller   v1.0      79da37e5a3aa    2 months ago  36.6MB
docker/desktop-kubernetes   kubernetes-v1.16.5-chi-v0.7.5-critools-v1.15.0  a86647f0b376    4 months ago  279MB
k8s.gcr.io/kube-apiserver   v1.16.5    fc838b21afbb    4 months ago  159MB
k8s.gcr.io/kube-scheduler   v1.16.5    bd4d073a9efda   4 months ago  83.5MB
k8s.gcr.io/kube-proxy       v1.16.5    0ee1b8a3ebe0    4 months ago  82.7MB
k8s.gcr.io/kube-controller-manager  v1.16.5    441835dd2301   4 months ago  151MB
docker/kube-compose-controller   v0.4.25-alpha1  129151cd35f    7 months ago  35.6MB
docker/kube-compose-api-server   v0.4.25-alpha1  989749268895   7 months ago  50.7MB
docker/kube-compose-installer   v0.4.25-alpha1  2e71ac5e1359   7 months ago  42.3MB
k8s.gcr.io/kube-proxy       v1.15.5    cbd7f21fec99   7 months ago  82.4MB
k8s.gcr.io/kube-apiserver   v1.15.5    e534b1952a0d   7 months ago  207MB
k8s.gcr.io/kube-controller-manager  v1.15.5    1599a7f2fa1a9  7 months ago  159MB
k8s.gcr.io/kube-scheduler   v1.15.5    fab2ded59dd   7 months ago  81.1MB
k8s.gcr.io/etcd            3.3.15-0   b7756210eab    8 months ago  247MB

docker/kube-compose-controller   v0.4.23     a8c3d87a58e7    11 months ago  35.3MB
docker/kube-compose-api-server   v0.4.23     f3591b2cb223   11 months ago  49.9MB
k8s.gcr.io/coredns           1.3.1      eb516548c180   16 months ago  40.3MB
k8s.gcr.io/etcd              3.3.10     2c4adeb21b4f   18 months ago  258MB
k8s.gcr.io/pause             3.1       da86e6ba6cal   2 years ago   742kB

C:\Users\vijayk\git\docker-samples\java-helloworld>docker push konduruvijaykumar/java-helloworld:v1.0
The push refers to repository [docker.io/konduruvijaykumar/java-helloworld]
e7092dab1a0f: Pushing [=====>] 512B
2461dbfccc2: Pushing [=====>] 4.096kB
7d0784c2c563: Preparing
715d0a3d2cc2: Preparing
```

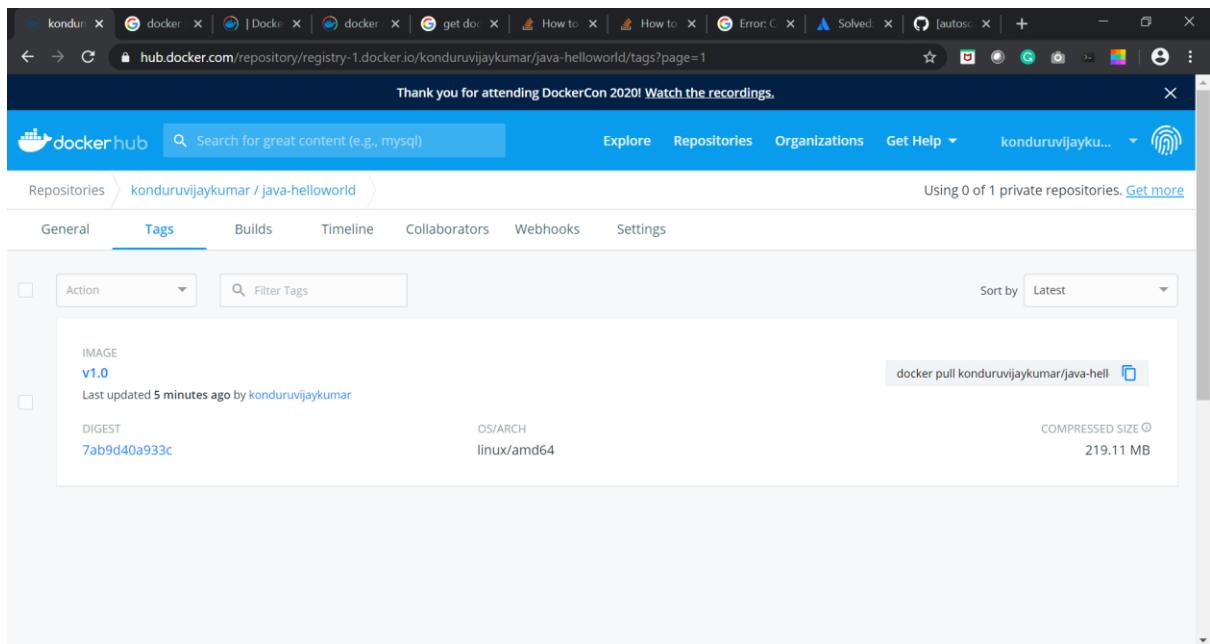
docker build -t konduruvijaykumar/java-helloworld:v1.0 .
 docker run 27af2a40e78c
 docker images
 docker push konduruvijaykumar/java-helloworld:v1.0

A screenshot of a web browser displaying the Docker Hub interface. The address bar shows 'hub.docker.com/repositories'. The main content area lists several public repositories owned by 'konduruvijaykumar':

- konduruvijaykumar / java-helloworld**
Updated 4 minutes ago
- konduruvijaykumar / sap-api**
Updated a year ago
- konduruvijaykumar / kubernetes-userproxy**
Updated a year ago
- konduruvijaykumar / kubernetes-userservice**
Updated a year ago
- konduruvijaykumar / kubernetes-app2**
<https://hub.docker.com/repository/docker/konduruvijaykumar/java-helloworld/>

A screenshot of a web browser displaying the Docker Hub repository page for 'konduruvijaykumar / java-helloworld'. The address bar shows 'hub.docker.com/repository/docker/konduruvijaykumar/java-helloworld'. The page includes:

- General** tab selected.
- Docker commands**: A button labeled 'Public View'.
- Last pushed: 5 minutes ago**.
- Tags**: Shows 1 tag (v1.0) pushed 5 minutes ago.
- Recent builds**: A placeholder message: 'Link a source provider and run a build to see build results here.'



```
1 /**
2 * @author Vijay
3 *
4 */
5 public class HelloWorld {
6
7     public static void main(String[] args) {
8         System.out.println("Hello from Java Application! Welcome to Docker World - v2.0");
9     }
10 }
```

C:\Users\vijayk\git\docker-samples\java-helloworld\HelloWorld.java - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

4 characters selected; Saved C:\Users\vijayk\git\docker-samples\java-helloworld\HelloWorld.java (UTF-8)

master Tab Size: 4 Java

```
C:\ Command Prompt - docker push konduruvijaykumar/java-helloworldv2.0
C:\Users\vijayk\git\docker-samples\java-helloworld>docker build -t konduruvijaykumar/java-helloworld:v2.0 .
Sending build context to Docker daemon 4.096kB
Step 1/5 : FROM openjdk:8
--> 1077d2323b5882
Step 2/5 : COPY HelloWorld.java /usr/src/myapp
--> 632d839348ef
Step 3/5 : WORKDIR /usr/src/myapp
--> Running in e0e1b305e53e
Removing intermediate container e0e1b305e53e
--> 45920ed026c3
Step 4/5 : RUN java HelloWorld.java
--> Running in 6ecfd340702
Removing intermediate container 6ecfd340702
--> b0dd9ff5b43fd
Step 5/5 : CMD ["java", "HelloWorld"]
--> Running in 115709dc83ec
Removing intermediate container 115709dc83ec
--> d15e636652f7
Successfully built d15e636652f7
Successfully tagged konduruvijaykumar/java-helloworld:v2.0
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run d15e636652f7
Hello from Java Application! Welcome to Docker World - v2.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker push konduruvijaykumar/java-helloworld:v2.0
The push refers to repository [docker.io/konduruvijaykumar/java-helloworld]
5c1e18138751: Preparing
164673840949: Preparing
7d0784c2c563: Preparing
715d0a3d2cc2: Preparing
155d997ed77c: Preparing
88fcfc2fc059: Waiting
760e8d95cf58: Waiting
7cc1c2d7e744: Waiting
8c02234b8695: Waiting
```

```
C:\ Command Prompt - docker push konduruvijaykumar/java-helloworldv2.0
C:\Users\vijayk\git\docker-samples\java-helloworld>docker build -t konduruvijaykumar/java-helloworld:v2.0 .
Sending build context to Docker daemon 4.096kB
Step 1/5 : FROM openjdk:8
--> 1077d2323b5882
Step 2/5 : COPY HelloWorld.java /usr/src/myapp
--> 632d839348ef
Step 3/5 : WORKDIR /usr/src/myapp
--> Running in e0e1b305e53e
Removing intermediate container e0e1b305e53e
--> 45920ed026c3
Step 4/5 : RUN javac HelloWorld.java
--> Running in 6ecfd340702
Removing intermediate container 6ecfd340702
--> b0dd9ff5b43fd
Step 5/5 : CMD ["java", "HelloWorld"]
--> Running in 115709dc83ec
Removing intermediate container 115709dc83ec
--> d15e636652f7
Successfully built d15e636652f7
Successfully tagged konduruvijaykumar/java-helloworld:v2.0
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run d15e636652f7
Hello from Java Application! Welcome to Docker World - v2.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker push konduruvijaykumar/java-helloworld:v2.0
The push refers to repository [docker.io/konduruvijaykumar/java-helloworld]
5c1e18138751: Pushed
164673840949: Pushed
7d0784c2c563: Layer already exists
715d0a3d2cc2: Layer already exists
155d997ed77c: Layer already exists
88fcfc2fc059: Layer already exists
760e8d95cf58: Layer already exists
7cc1c2d7e744: Layer already exists
8c02234b8695: Layer already exists
```

The screenshot shows the Docker Hub interface for the repository `konduruvijaykumar/java-helloworld`. The page displays two tags: `v1.0` and `v2.0`. Both tags were last updated by `konduruvijaykumar`. The `v1.0` tag has a digest of `7ab9d40a933c`, OS/ARCH of `linux/amd64`, and a compressed size of `219.11 MB`. The `v2.0` tag has a digest of `d7c2fd0c9bf8`, OS/ARCH of `linux/amd64`, and a compressed size of `219.11 MB`.

Below the browser screenshot is a Windows Command Prompt window titled "Command Prompt". The command history shows:

```
C:\Users\vijayk\git\docker-samples\java-helloworld>docker pull konduruvijaykumar/java-helloworld:v1.0
v1.0: Pulling from konduruvijaykumar/java-helloworld
Digest: sha256:7ab9d40a933c28ef14823c6a7fab6355b63ee53ff30b487e13ae24e7bb4a1f5e
Status: Image is up to date for konduruvijaykumar/java-helloworld:v1.0
docker.io/konduruvijaykumar/java-helloworld:v1.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run konduruvijaykumar/java-helloworld:v1.0
Hello from Java Application! Welcome to Docker World - v1.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker pull konduruvijaykumar/java-helloworld:v2.0
v2.0: Pulling from konduruvijaykumar/java-helloworld
Digest: sha256:d7c2fd0c9bf862d5040cd7bc8f1c7cd12665b67a1591a62cc5ed75176923ce
Status: Image is up to date for konduruvijaykumar/java-helloworld:v2.0
docker.io/konduruvijaykumar/java-helloworld:v2.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run konduruvijaykumar/java-helloworld:v2.0
Hello from Java Application! Welcome to Docker World - v2.0

C:\Users\vijayk\git\docker-samples\java-helloworld>
```

```
docker pull konduruvijaykumar/java-helloworld:v1.0
docker run konduruvijaykumar/java-helloworld:v1.0
docker pull konduruvijaykumar/java-helloworld:v2.0
docker run konduruvijaykumar/java-helloworld:v2.0
```

```
FROM openjdk:8-jre
EXPOSE 8080
ADD ./target/springboot-studentinfo-0.0.1-SNAPSHOT.jar studentinfo.jar
ENTRYPOINT ["java", "-jar", "studentinfo.jar"]
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
$ touch Dockerfile
$ docker build -f Dockerfile -t konduruvijaykumar/springboot-studentinfo:v1.0 .
Sending build context to Docker daemon 53.36MB
Step 1/4 : FROM openjdk:8-jre
8-jre: Pulling from library/openjdk
376057ac6fa1: Already exists
94b2da7a1b5: Already exists
94b2da7a1b5: Already exists
94b2da7a1b5: Pulling fs layer
d78caafefbbc1: Pulling fs layer
1b5add4df1a2: Pulling fs layer
d78caafefbbc1: Verifying checksum
d78caafefbbc1: Download complete
94b2da7a1b5: Verifying checksum
94b2da7a1b5: Download complete
94b2da7a1b5: Pull complete
d78caafefbbc1: Pull complete
1b5add4df1a2: Download complete
1b5add4df1a2: Pull complete
Digest: sha256:41b972936913245cc6e54700470f54a9e41d9d8b803271c35bf179d5b171f9ce
Status: Downloaded newer image for openjdk:8-jre
--> 1cf56cd937b5
Step 2/4 : EXPOSE 8080
--> Running in 2487286f5iae
Removing intermediate container 2487286f5iae
--> 9e666079c171
Step 3/4 : ADD ./target/springboot-studentinfo-0.0.1-SNAPSHOT.jar studentinfo.jar
--> 32f1d1f0a520
Step 4/4 : ENTRYPOINT ["java", "-jar", "studentinfo.jar"]
--> Running in 9eee492d129f
Removing intermediate container 9eee492d129f
--> cd666079c171
Successfully built cd666079c171
Successfully tagged konduruvijaykumar/springboot-studentinfo:v1.0
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.
```

touch Dockerfile

docker build -f Dockerfile -t konduruvijaykumar/springboot-studentinfo:v1.0 .

docker images

docker run cd666079c171

docker run konduruvijaykumar/springboot-studentinfo:v1.0

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
Digest: sha256:41b9729369132450c6e54700470f54a9e41d9d8b803271c35bf179d5b171f9ce
Status: Downloaded newer image for openjdk:8-jre
--> lcf6cd937b5
Step 2/4 : EXPOSE 8080
--> 32f1d1f0e20
Step 3/4 : ADD ./target/springboot-studentinfo-0.0.1-SNAPSHOT.jar studentinfo.jar
--> 32f1d1f0e20
Step 4/4 : ENTRYPOINT ["java", "-jar", "studentinfo.jar"]
--> Running in 9eee492d129f
Removing intermediate container 2487286f51ae
--> cdd66079c171
Successfully built cdd66079c171
Successfully tagged konduruvijaykumar/springboot-studentinfo:v1.0
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to check and reset permissions for sensitive files and directories.

v11avk@DESKTOP-OMSLGCO MINGW64 ~git/docker-samples/springboot-studentinfo (master)
$ docker run konduruvijaykumar/springboot-studentinfo:v1.0

:: Spring Boot ::
(V2.2.7.RELEASE)

2020-05-30 01:46:05.565 INFO 1 --- [           main] o.p.s.SpringbootStudentinfoApplication : Starting SpringbootStudentinfoApplication v0.0.1-SNAPSHOT on edeffd2ae359 with PID 1 (/studentinfo.jar started by root in /)
2020-05-30 01:46:05.576 INFO 1 --- [           main] o.p.s.SpringbootStudentinfoApplication : No active profile set, falling back to default profiles: default
2020-05-30 01:46:05.576 INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2020-05-30 01:46:08.529 INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 215ms. Found 1 JPA repository interfaces.
2020-05-30 01:46:09.944 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2020-05-30 01:46:09.968 INFO 1 --- [           main] o.apache.catalina.core.StandardService : Starting Service [Tomcat]
2020-05-30 01:46:09.969 INFO 1 --- [           main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.34]
2020-05-30 01:46:10.137 INFO 1 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[] : Initializing Spring embedded WebApplicationContext
2020-05-30 01:46:10.138 INFO 1 --- [           main] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 4352 ms
2020-05-30 01:46:10.514 INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2020-05-30 01:46:11.120 INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2020-05-30 01:46:11.135 INFO 1 --- [           main] o.s.b.a.h2.H2ConsoleAutoConfiguration : H2 console available at '/h2-console'. Database available at 'jdbc:h2:mem:mymemDB'
2020-05-30 01:46:11.358 INFO 1 --- [           main] o.s.boot.web.servlet.RegistrationBean : Servlet webServlet was not registered (possibly already registered)?
2020-05-30 01:46:11.783 INFO 1 --- [           main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2020-05-30 01:46:12.346 INFO 1 --- [           main] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.4.15.Final
2020-05-30 01:46:12.705 INFO 1 --- [           main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
=====
:: Spring Boot ::
(V2.2.7.RELEASE)

2020-05-30 01:46:05.565 INFO 1 --- [           main] o.p.s.SpringbootStudentinfoApplication : Starting SpringbootStudentinfoApplication v0.0.1-SNAPSHOT on edeffd2ae359 with PID 1 (/studentinfo.jar started by root in /)
2020-05-30 01:46:05.576 INFO 1 --- [           main] o.p.s.SpringbootStudentinfoApplication : No active profile set, falling back to default profiles: default
2020-05-30 01:46:05.576 INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2020-05-30 01:46:05.576 INFO 1 --- [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 215ms. Found 1 JPA repository interfaces.
2020-05-30 01:46:09.944 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2020-05-30 01:46:09.965 INFO 1 --- [           main] o.apache.catalina.core.StandardService : Starting Service [Tomcat]
2020-05-30 01:46:09.969 INFO 1 --- [           main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.34]
2020-05-30 01:46:10.137 INFO 1 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[] : Initializing Spring embedded WebApplicationContext
2020-05-30 01:46:10.138 INFO 1 --- [           main] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 4352 ms
2020-05-30 01:46:10.514 INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2020-05-30 01:46:11.120 INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2020-05-30 01:46:11.135 INFO 1 --- [           main] o.s.b.a.h2.H2ConsoleAutoConfiguration : H2 console available at '/h2-console'. Database available at 'jdbc:h2:mem:mymemDB'
2020-05-30 01:46:11.358 INFO 1 --- [           main] o.s.boot.web.servlet.RegistrationBean : Servlet webServlet was not registered (possibly already registered)?
2020-05-30 01:46:11.783 INFO 1 --- [           main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2020-05-30 01:46:12.346 INFO 1 --- [           main] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.4.15.Final
2020-05-30 01:46:12.705 INFO 1 --- [           main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
2020-05-30 01:46:13.120 INFO 1 --- [           main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate: drop table if exists student CASCADE
Hibernate: drop sequence if exists hibernate_sequence
Hibernate: create sequence hibernate_sequence start with 1 increment by 1
Hibernate: create table student (student_id bigint not null, age integer, course varchar(255), email varchar(255), first_name varchar(255), last_name varchar(255), primary key (student_id))
2020-05-30 01:46:14.669 INFO 1 --- [           main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.platforms.JtaPlatform]
2020-05-30 01:46:14.715 INFO 1 --- [           main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 01:46:15.768 WARN 1 --- [           main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2020-05-30 01:46:16.024 INFO 1 --- [           main] o.s.b.a.web.EndpointLinksResolver : Exposing 2 endpoint(s) beneath base path '/actuator'
2020-05-30 01:46:16.201 INFO 1 --- [           main] p.partySourcedRequestMappingHandlerMapping : Mapped URL path [/v2/api-docs] onto method [springfox.documentation.swagger2.web.Swagger2Controller/getDocumentation(String, HttpServletRequest)]
2020-05-30 01:46:16.482 INFO 1 --- [           main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-05-30 01:46:17.102 INFO 1 --- [           main] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2020-05-30 01:46:17.145 INFO 1 --- [           main] d.s.w.p.DocumentationPluginsBootstrapper : Found 0 custom documentation plugin(s)
2020-05-30 01:46:17.252 INFO 1 --- [           main] springfox.documentation.spring.web.plugins.DocumentationContext : Generating custom documentation references
2020-05-30 01:46:17.746 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: addStudentUsingPOST_1
2020-05-30 01:46:17.757 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: deleteStudentUsingDELETE_1
2020-05-30 01:46:17.787 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: getAllStudentsUsingGET_1
2020-05-30 01:46:17.815 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: updateStudentUsingPUT_1
2020-05-30 01:46:17.877 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: welcomeUsingGET_1
2020-05-30 01:46:17.989 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2020-05-30 01:46:17.994 INFO 1 --- [           main] o.p.s.SpringbootStudentinfoApplication : Started SpringbootStudentinfoApplication in 13.654 seconds (JVM running for 14.696)
```

```

[1] Command Prompt
k8s.gcr.io/coredns          1.3.1           eb516548c189   16 months ago  40.3MB
k8s.gcr.io/etcd              3.3.10          2c4adeb21b4f   18 months ago  258MB
k8s.gcr.io/pause             3.1            da86e6ba6ca1   2 years ago   742kB

C:\Users\vijayk\git\docker-samples\java-helloworld>docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS               NAMES
edeffd2ae359        konduruvijaykumar/springboot-studentinfo:v1.0   "java -jar studentin..."   50 seconds ago    Up 49 seconds      8080/tcp          jolly_mendel
a4f8322b7285        e7e84287ce753   "/storage-provisione..."   9 hours ago       Up 9 hours         k8s_storage_provisioner
oner_storage-provisioner_kube-system_92d6aa1f-bc7d-4e11-b9fd-28f2be6aa08a_1
729268fb855        79da37e5a3aa     "/kube-vpnkit-forwarder..."  9 hours ago       Up 9 hours         k8s_vpnkit-controll
er_vpnkit-controller_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0
2bb428688047        129151cd735f   "/compose-controller..."  9 hours ago       Up 9 hours         k8s_compose_compose
-78f95d4f8c-jcsbw8_docker_3117f49d-246f-450f-b424-2f27455e3695_0
9ca5f5d3755        989749268895   "/api-server --kubec..."  9 hours ago       Up 9 hours         k8s_compose_compose
-api-6fffb89dc58-4221v_docker_2d049df2-b8b47-46e1-8c44-e760ae28880a_0
e259111674ce        9ee1b8a3eb0     "/usr/local/bin/kube..."  9 hours ago       Up 9 hours         k8s_kube-proxy_kube
-proxy-hf2k_kube-system_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
e6fff571b9e1a       bf261d157914   "/coredns -conf /etc..."  9 hours ago       Up 9 hours         k8s_coredns_coredns
-5644d7b6d9-dw2j8_kube-system_5ae1dc25-6248-4e71-9cda-26597c30538a_0
a08497b4c577        bf261d157914   "/coredns -conf /etc..."  9 hours ago       Up 9 hours         k8s_coredns_coredns
-5644d7b6d9-rxf6_kube-system_1f38b7d5-3633-a4e1-b3de230e1a53_0
b2948d801c1c0        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_compose_api
-6fffb89dc58-4221v_docker_2d049df2-b8b47-46e1-8c44-e760ae28880a_0
4d0cc585bbaf        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_compose-78f
95d4f8c-jcsbw8_docker_3117f49d-246f-450f-b424-2f27455e3695_0
c27c2bb93cc         k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_vpnkit-cont
roller_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0
180c9e97c41c4        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_storage_pro
visioner_kube-system_92d6aa1f-bc7d-4e11-b9fd-28f2be6aa08a_0
de977df661c        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_coredns-564
4d7b6d9-rxf6_kube-system_1f38b7d5-3633-a4e1-b3de230e1a53_0
41a286d8f479        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_coredns-564
4d7b6d9-dw2j8_kube-system_5ae1dc25-6248-4e71-9cda-26597c30538a_0
e5079776f08c        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-proxy-
h6f2k_kube-system_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
0ccb6e604deb8      fc838b21afbb   "kube-apiserver --ad..."  9 hours ago       Up 9 hours         k8s_kube-apiserver_
kube-apiserver-docker-desktop_kube-system_2966bdea771eade42b079889c75cf17e_0
59b9ebd44d9fa        b2756210eab     "etcd --advertise-cl..."  9 hours ago       Up 9 hours         k8s_etcd_etcd-docke
r-desktop_kube-system_bc3eca0122548cc59e959a7805e87e8_0
f6af63546d89        b4d073a9efda   "kube-scheduler --au..."  9 hours ago       Up 9 hours         k8s_kube-scheduler_
kube-scheduler-docker-desktop_kube-system_28dd1b1230fbe15350eb1b896ae9493d_0
77354a41a75c        441835dd2381   "kube-controller-man..."  9 hours ago       Up 9 hours         k8s_kube-controller
-manager_kube-controller-manager-docker-desktop_kube-system_9076958db0c2cc26f76def745bfc1928_0
4a16eb3a88be        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-apiser
ver_docker-desktop_kube-system_2966bdea771eade42b079889c75cf17e_0
bf4ede207ef1        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_etcd-docker
-desktop_kube-system_bc3eca0122548cc59e959a7805e87e8_0
5fe5d46cec87        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-schedu
ller_docker-desktop_kube-system_28dd1b1230fbe15350eb1b896ae9493d_0
d65b53e98ff6        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-contro
ller_manager_docker-desktop_kube-system_9076958db0c2cc26f76def745bfc1928_0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop konduruvijaykumar/springboot-studentinfo:v1.0
Error response from daemon: No such container: konduruvijaykumar/springboot-studentinfo:v1.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop edeffd2ae359
edeffd2ae359

C:\Users\vijayk\git\docker-samples\java-helloworld>

```

```

[1] Command Prompt
k8s.gcr.io/coredns          1.3.1           eb516548c189   16 months ago  40.3MB
k8s.gcr.io/etcd              3.3.10          2c4adeb21b4f   18 months ago  258MB
k8s.gcr.io/pause             3.1            da86e6ba6ca1   2 years ago   742kB

C:\Users\vijayk\git\docker-samples\java-helloworld>docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED             STATUS              PORTS               NAMES
edeffd2ae359        konduruvijaykumar/springboot-studentinfo:v1.0   "java -jar studentin..."   50 seconds ago    Up 49 seconds      8080/tcp          jolly_mendel
a4f8322b7285        e7e84287ce753   "/storage-provisione..."   9 hours ago       Up 9 hours         k8s_storage_provisioner
oner_storage-provisioner_kube-system_92d6aa1f-bc7d-4e11-b9fd-28f2be6aa08a_1
729268fb855        79da37e5a3aa     "/kube-vpnkit-forwarder..."  9 hours ago       Up 9 hours         k8s_vpnkit-controll
er_vpnkit-controller_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0
2bb428688047        129151cd735f   "/compose-controller..."  9 hours ago       Up 9 hours         k8s_compose_compose
-78f95d4f8c-jcsbw8_docker_3117f49d-246f-450f-b424-2f27455e3695_0
9ca5f5d3755        989749268895   "/api-server --kubec..."  9 hours ago       Up 9 hours         k8s_compose_compose
-api-6fffb89dc58-4221v_docker_2d049df2-b8b47-46e1-8c44-e760ae28880a_0
e259111674ce        9ee1b8a3eb0     "/usr/local/bin/kube..."  9 hours ago       Up 9 hours         k8s_kube-proxy_kube
-proxy-hf2k_kube-system_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
e6fff571b9e1a       bf261d157914   "/coredns -conf /etc..."  9 hours ago       Up 9 hours         k8s_coredns_coredns
-5644d7b6d9-dw2j8_kube-system_5ae1dc25-6248-4e71-9cda-26597c30538a_0
a08497b4c577        bf261d157914   "/coredns -conf /etc..."  9 hours ago       Up 9 hours         k8s_coredns_coredns
-5644d7b6d9-rxf6_kube-system_1f38b7d5-3633-a4e1-b3de230e1a53_0
b2948d801c1c0        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_compose_api
-6fffb89dc58-4221v_docker_2d049df2-b8b47-46e1-8c44-e760ae28880a_0
4d0cc585bbaf        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_compose-78f
95d4f8c-jcsbw8_docker_3117f49d-246f-450f-b424-2f27455e3695_0
c27c2bb93cc         k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_vpnkit-cont
roller_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0
180c9e97c41c4        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_storage_pro
visioner_kube-system_92d6aa1f-bc7d-4e11-b9fd-28f2be6aa08a_0
de977df661c        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_coredns-564
4d7b6d9-rxf6_kube-system_1f38b7d5-3633-a4e1-b3de230e1a53_0
41a286d8f479        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_coredns-564
4d7b6d9-dw2j8_kube-system_5ae1dc25-6248-4e71-9cda-26597c30538a_0
e5079776f08c        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-proxy-
h6f2k_kube-system_3f036d1d-f4d1-4a9b-b0ed-6943bd388648_0
0ccb6e604deb8      fc838b21afbb   "kube-apiserver --ad..."  9 hours ago       Up 9 hours         k8s_kube-apiserver_
kube-apiserver-docker-desktop_kube-system_2966bdea771eade42b079889c75cf17e_0
59b9ebd44d9fa        b2756210eab     "etcd --advertise-cl..."  9 hours ago       Up 9 hours         k8s_etcd_etcd-docke
r-desktop_kube-system_bc3eca0122548cc59e959a7805e87e8_0
f6af63546d89        b4d073a9efda   "kube-scheduler --au..."  9 hours ago       Up 9 hours         k8s_kube-scheduler_
kube-scheduler-docker-desktop_kube-system_28dd1b1230fbe15350eb1b896ae9493d_0
77354a41a75c        441835dd2381   "kube-controller-man..."  9 hours ago       Up 9 hours         k8s_kube-controller
-manager_kube-controller-manager-docker-desktop_kube-system_9076958db0c2cc26f76def745bfc1928_0
4a16eb3a88be        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-apiser
ver_docker-desktop_kube-system_2966bdea771eade42b079889c75cf17e_0
bf4ede207ef1        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_etcd-docker
-desktop_kube-system_bc3eca0122548cc59e959a7805e87e8_0
5fe5d46cec87        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-schedu
ller_docker-desktop_kube-system_28dd1b1230fbe15350eb1b896ae9493d_0
d65b53e98ff6        k8s.gcr.io/pause:3.1   "/pause"           9 hours ago       Up 9 hours         k8s_POD_kube-contro
ller_manager_docker-desktop_kube-system_9076958db0c2cc26f76def745bfc1928_0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop konduruvijaykumar/springboot-studentinfo:v1.0
Error response from daemon: No such container: konduruvijaykumar/springboot-studentinfo:v1.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop edeffd2ae359
edeffd2ae359

C:\Users\vijayk\git\docker-samples\java-helloworld>

```

```

MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
2020-05-30 01:46:09.968 INFO 1 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2020-05-30 01:46:09.969 INFO 1 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.34]
2020-05-30 01:46:10.137 INFO 1 --- [main] o.a.c.c.C.[Tomcat].[localhost].[] : Initializing Spring embedded WebApplicationContext
2020-05-30 01:46:10.138 INFO 1 --- [main] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 4352 ms
2020-05-30 01:46:10.514 INFO 1 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2020-05-30 01:46:11.120 INFO 1 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2020-05-30 01:46:11.135 INFO 1 --- [main] o.s.b.a.h2.H2ConsoleAutoConfiguration : H2 console available at '/h2-console'. Database available at 'jdbc:h2:mem:m
yDB'.
2020-05-30 01:46:11.358 INFO 1 --- [main] o.s.boot.web.servlet.RegistrationBean : Servlet webServlet was not registered (possibly already registered)?
2020-05-30 01:46:11.359 INFO 1 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2020-05-30 01:46:12.346 INFO 1 --- [main] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.4.15.Final
2020-05-30 01:46:12.705 INFO 1 --- [main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
2020-05-30 01:46:13.120 INFO 1 --- [main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate: drop table if exists student CASCADE
Hibernate: drop sequence if exists hibernate_sequence
Hibernate: create sequence hibernate_sequence start with 1 increment by 1
Hibernate: create table student (student_id bigint not null, age integer, course varchar(255), email varchar(255), first_name varchar(255), last_name varchar(255), primary key (student_id))
2020-05-30 01:46:14.689 INFO 1 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.NoJtaPlatform]
2020-05-30 01:46:14.715 INFO 1 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 01:46:15.768 WARN 1 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2020-05-30 01:46:16.024 INFO 1 --- [main] o.s.boot.actuate.endpoint.links.Resolver : Exposing 2 endpoint(s) beneath base path '/actuator'
2020-05-30 01:46:16.025 INFO 1 --- [main] o.s.boot.actuate.endpoint.links.Resolver : Mapped URL path [/v2/api-docs] onto method [springfox.documentation.swagger2.web.Swagger2Controller.getDocumentation(String, HttpServletRequest)]
2020-05-30 01:46:16.482 INFO 1 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-05-30 01:46:17.102 INFO 1 --- [main] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2020-05-30 01:46:17.542 INFO 1 --- [main] s.d.s.w.s.ApiListingReferenceScanner : Found 1 custom documentation plugin(s)
2020-05-30 01:46:17.542 INFO 1 --- [main] d.s.w.p.DocumentationPluginsBootstrapper : Scanning for api listing references
2020-05-30 01:46:17.542 INFO 1 --- [main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: addStudentUsingPOST_1
2020-05-30 01:46:17.557 INFO 1 --- [main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: deleteStudentUsingDELETE_1
2020-05-30 01:46:17.557 INFO 1 --- [main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: getAllStudentsUsingGET_1
2020-05-30 01:46:17.557 INFO 1 --- [main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: updateStudentUsingPUT_1
2020-05-30 01:46:17.557 INFO 1 --- [main] d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: welcomeUsingGET_1
2020-05-30 01:46:17.877 INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2020-05-30 01:46:17.989 INFO 1 --- [main] o.p.s.SpringbootStudentinfoApplication : Started SpringbootStudentinfoApplication in 13.654 seconds (JVM running for 14.696)
2020-05-30 01:48:45.979 INFO 1 --- [extShutdownHook] o.s.s.concurrent.ThreadPoolTaskExecutor : Shutting down ExecutorService 'applicationTaskExecutor'
2020-05-30 01:48:45.987 INFO 1 --- [extShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 01:48:45.988 INFO 1 --- [extShutdownHook] .SchemaDropperImpl$DelayedDropActionImpl : HHH000477: Starting delayed evictData of schema as part of SessionFactory shutdown
Hibernate: drop table if exists student CASCADE
Hibernate: drop sequence if exists hibernate_sequence
2020-05-30 01:48:46.001 INFO 1 --- [extShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...
2020-05-30 01:48:46.010 INFO 1 --- [extShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.

vijayk@DESKTOP-0M51GQQ MINGW64 ~/git/docker-samples/springboot-studentinfo (master)
$ |

```

docker ps
 docker stop edeffd2ae359

```

MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
Hibernate: drop sequence if exists hibernate_sequence
2020-05-30 01:48:46.001 INFO 1 --- [extShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...
2020-05-30 01:48:46.010 INFO 1 --- [extShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.

vijayk@DESKTOP-0M51GQQ MINGW64 ~/git/docker-samples/springboot-studentinfo (master)
$ docker run -p 8080:8080 konduruvijaykumar/springboot-studentinfo:v1.0

:: Spring Boot ::
(V2.2.7.RELEASE)

2020-05-30 01:53:12.387 INFO 1 --- [main] o.p.s.SpringbootStudentinfoApplication : Starting SpringbootStudentinfoApplication v0.0.1-SNAPSHOT on b0fb6626f99 with PID 1 (/studentinfo.jar started by root in /)
2020-05-30 01:53:12.391 INFO 1 --- [main] o.p.s.SpringbootStudentinfoApplication : No active profile set, falling back to default profiles: default
2020-05-30 01:53:15.528 INFO 1 --- [main] o.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2020-05-30 01:53:15.671 INFO 1 --- [main] o.s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 107ms. Found 1 JPA repository interfaces.
2020-05-30 01:53:17.349 INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2020-05-30 01:53:17.376 INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Starting Servlet engine: [Apache Tomcat/9.0.34]
2020-05-30 01:53:17.422 INFO 1 --- [main] org.apache.catalina.core.StandardEngine : Initializing Spring embedded WebApplicationContext
2020-05-30 01:53:17.581 INFO 1 --- [main] o.a.c.c.C.[Tomcat].[localhost].[] : Root WebApplicationContext: initialization completed in 4996 ms
2020-05-30 01:53:17.581 INFO 1 --- [main] o.s.web.context.ContextLoader : com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2020-05-30 01:53:17.889 INFO 1 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2020-05-30 01:53:18.491 INFO 1 --- [main] o.s.b.a.h2.H2ConsoleAutoConfiguration : H2 console available at '/h2-console'. Database available at 'jdbc:h2:mem:m
yDB'.
2020-05-30 01:53:18.743 INFO 1 --- [main] o.s.boot.web.servlet.RegistrationBean : Servlet webServlet was not registered (possibly already registered)?
2020-05-30 01:53:18.744 INFO 1 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2020-05-30 01:53:19.721 INFO 1 --- [main] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.4.15.Final
2020-05-30 01:53:19.079 INFO 1 --- [main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
2020-05-30 01:53:20.612 INFO 1 --- [main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate: drop table if exists student CASCADE
Hibernate: drop sequence if exists hibernate_sequence
Hibernate: create sequence hibernate_sequence start with 1 increment by 1
Hibernate: create table student (student_id bigint not null, age integer, course varchar(255), email varchar(255), first_name varchar(255), last_name varchar(255), primary key (student_id))
2020-05-30 01:53:22.145 INFO 1 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.NoJtaPlatform]
2020-05-30 01:53:22.175 INFO 1 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 01:53:23.446 WARN 1 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2020-05-30 01:53:23.710 INFO 1 --- [main] o.s.boot.actuate.endpoint.links.Resolver : Exposing 2 endpoint(s) beneath base path '/actuator'
2020-05-30 01:53:23.851 INFO 1 --- [main] o.s.boot.actuate.endpoint.links.Resolver : Mapped URL path [/v2/api-docs] onto method [springfox.documentation.swagger2.web.Swagger2Controller.getDocumentation(String, HttpServletRequest)]
2020-05-30 01:53:24.041 INFO 1 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'

```

docker run -p 8080:8080 konduruvijaykumar/springboot-studentinfo:v1.0

You can run container in background using detached mode

<https://docs.docker.com/engine/reference/run/>

docker run -d -p 8080:8080 konduruvijaykumar/springboot-studentinfo:v1.0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
befbd6626f99	konduruvijaykumar/springboot-studentinfo:v1.0	"java -jar studentin..."	45 seconds ago	Up 44 seconds	0.0.0.0:8080->8080/tcp	angry_moone
a4F8322b7285	e704287ce753	"storage-provisione..."	9 hours ago	Up 9 hours		k8s_storage-pr
ovisioner_storage-provisioner_kube-system_92d6a1f-bc7d-4e11-b9fd-28f2b6eaa08a_1		"kube-vpnkit-forwar..."	9 hours ago	Up 9 hours		k8s_vpnkit-con
7292e80fb855	79da37e5a53aa	"/compose-controller..."	9 hours ago	Up 9 hours		k8s_compose_co
troller_vpnkit-controller_kube-system_99b1e957-316a-4def-844e-76fc63a0e623_0		"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_kube-proxy
2bb428688047	129151cd3f35f	"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_coredns_co
mpose-78f95d4fb8c-jcsw8_docker_3117749d-246f-450f-b424-2f27455e3695_0		"api-server --kuber..."	9 hours ago	Up 9 hours		k8s_compose_co
9ca5fd5d3755	898749268895	"/api-server --kuber..."	9 hours ago	Up 9 hours		k8s_kube-proxy
mpose-api-6fffb89dc58-4221v_docker_2d049df2-8b47-4e61-8c44-e760ae28880_a		"/usr/local/bin/kube..."	9 hours ago	Up 9 hours		k8s_vpnkit-con
e259111674ce	0ee1b8a3be0	"/usr/local/bin/kube..."	9 hours ago	Up 9 hours		k8s_compose_co
_kube-proxy-h6f2k_kube-system_3f03ed1d-f4d1-4a9b-b0ed-6943bd388648_0		"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_coredns_co
a6ff571b9e1a	bf261d157914	"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_kube-proxy
redns-5644d7b6d9-dw2j8_kube-system_5ae1dc25-6248-e471-9cda-26597c30538a_0		"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_vpnkit-con
a08407b4c577	b2f261d157914	"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_coredns_co
redns-5644d7b6d9-xrxf6_kube-system_1f38b7d5-3633-4e13-a046-b3de230e1a53_0		"/coredns -conf /etc..."	9 hours ago	Up 9 hours		k8s_kube-proxy
b2948d91c1c8	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_POD_compos
e-apl-6fffb89dc58-4221v_docker_2d049df2-8b47-4e61-8c44-e760ae28880_a		"/pause"	9 hours ago	Up 9 hours		k8s_POD_compos
4d0cc585bbaf	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_POD_compos
e-78f95d4fb8c-jcsw8_docker_3117749d-246f-450f-b424-2f27455e3695_0		"/pause"	9 hours ago	Up 9 hours		k8s_vpnkit-con
c27c2bb93cccd	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_vpnkit-con
-controller_kube-system_92d6a1f-bc7d-4e11-b9fd-28f2b6eaa08a_0		"/controller_kube-system_92d6a1f-bc7d-4e11-b9fd-28f2b6eaa08a_0	9 hours ago	Up 9 hours		k8s_POD_storag
180c0e97c41c4	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_POD_storag
e-provisioner_kube-system_92d6a1f-bc7d-4e11-b9fd-28f2b6eaa08a_0		"/provisioner_kube-system_92d6a1f-bc7d-4e11-b9fd-28f2b6eaa08a_0	9 hours ago	Up 9 hours		k8s_POD_coredn
dea977df661c	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_POD_coredn
s-5644d7b6d9-xrxf6_kube-system_1f38b7d5-3633-4e13-a046-b3de230e1a53_0		"/pause"	9 hours ago	Up 9 hours		k8s_vpnkit-con
41a286d8f479	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_vpnkit-con
s-5644d7b6d9-dw2j8_kube-system_5ae1dc25-6248-e471-9cda-26597c30538a_0		"/pause"	9 hours ago	Up 9 hours		k8s_vpnkit-con
e5078776f808	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_vpnkit-con
roxy-h6f2k_kube-system_3f0361d-f4d1-4a9b-b0ed-6943bd388648_0		"/roxy-h6f2k_kube-system_3f0361d-f4d1-4a9b-b0ed-6943bd388648_0	9 hours ago	Up 9 hours		k8s_vpnkit-con
9cbb6e04de08	fc838b21afbb	"/kube-apiserver --ad..."	9 hours ago	Up 9 hours		k8s_kube-apis
rver_kube-apiserver_docker_desktop_kube-system_2966bda771ead042b079889c75cf17e_0		"etcd --advertise-cl..."	9 hours ago	Up 9 hours		k8s_etcd_etcd
5999eb4d49fa	b2756210eab	"etcd --advertise-cl..."	9 hours ago	Up 9 hours		k8s_kube-sched
docker_desktop_kube-system_bc3e0a122540cc59e595a7805e87e8_0		"kube-scheduler --au..."	9 hours ago	Up 9 hours		k8s_kube-sched
f6af63546d89	b4d073a9efda	"kube-controller-man..."	9 hours ago	Up 9 hours		k8s_kube-contr
uler_kube-scheduler_docker_desktop_kube-system_28dd1b230f0be15350eb1896a09493d_0		"kube-controller-man..."	9 hours ago	Up 9 hours		k8s_kube-contr
77354a11a75c	441835dd2301	"kube-controller-man..."	9 hours ago	Up 9 hours		k8s_kube-contr
oller-manager_kube-controller-manager_docker_desktop_kube-system_9076958db0c2cc26f76def745bfc1928_0		"/pause"	9 hours ago	Up 9 hours		k8s_POD_kube-a
4a16eb3a98be	k8s.gcr.io/pause:3.1	"/pause"	9 hours ago	Up 9 hours		k8s_POD_kube-a

MINGW64:/C/Users/vijayk/git/docker-samples/springboot-studentinfo

```

2020-05-30 01:53:17.889 INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource      : HikariPool-1 - Starting...
2020-05-30 01:53:18.491 INFO 1 --- [           main] com.zaxxer.hikari.HikariDataSource      : HikariPool-1 - Start completed.
2020-05-30 01:53:18.505 o.s.w.a.h2.H2ConsoleAutoConfiguration : M2 console available at '/h2-console'. Database available at 'jdbc:h2:mem:mdb'.
2020-05-30 01:53:18.742 INFO 1 --- [           main] o.s.boot.web.servlet.RegistrationBean   : Servlet webServlet was not registered (possibly already registered)
2020-05-30 01:53:19.122 INFO 1 --- [           main] o.hibernat.jpa.internal.util.LogHelper  : HHH000204: Creating PersistenceUnitInfo [name: default]
2020-05-30 01:53:19.721 INFO 1 --- [           main] org.hibernate.Version                  : HHH000412: Hibernate ORM core version 5.4.15.Final
2020-05-30 01:53:19.721 INFO 1 --- [           main] o.hibernat.annotations.common.Version  : HCAN0001: Hibernate Commons Annotations {5.1.0.Final}
2020-05-30 01:53:20.612 INFO 1 --- [           main] o.hibernat.dialect.Dialect          : HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate: drop table if exists student CASCADE
Hibernate: create sequence hibernate_sequence start with 1 increment by 1
Hibernate: create table student (student_id bigint not null, age integer, course varchar(255), email varchar(255), first_name varchar(255), last_name varchar(255), primary key (student_id))
2020-05-30 01:53:22.145 INFO 1 --- [           main] o.h.e.t.j.p.i.JtaPlatformInitiator     : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2020-05-30 01:53:22.175 INFO 1 --- [           main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 01:53:23.446 WARN 1 --- [           main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2020-05-30 01:53:23.446 INFO 1 --- [           main] o.s.b.a.embedded.EmbeddedDatabaseBuilder : Exposing 2 endpoint(s) beneath base path '/actuator'
2020-05-30 01:53:23.451 INFO 1 --- [           main] o.s.b.a.embedded.EmbeddedDatabaseBuilder : Mapped URL path '/v2/api-docs' onto method [springfox.documentation.swagger.web.Swagger2Controller.getDocumentation(String, HttpServletRequest)]
2020-05-30 01:53:24.041 INFO 1 --- [           main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-05-30 01:53:24.878 INFO 1 --- [           main] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2020-05-30 01:53:24.927 INFO 1 --- [           main] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)
2020-05-30 01:53:25.005 INFO 1 --- [           main] s.d.s.w.s.ApiListingReferenceScanner  : Scanning for api listing references
2020-05-30 01:53:25.272 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator: Generating unique operation named: addStudentUsingPOST_1
2020-05-30 01:53:25.287 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator: Generating unique operation named: deleteStudentUsingDELETE_1
2020-05-30 01:53:25.305 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator: Generating unique operation named: getAllStudentsUsingGET_1
2020-05-30 01:53:25.320 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator: Generating unique operation named: getOneStudentUsingPUT_1
2020-05-30 01:53:25.424 INFO 1 --- [           main] d.s.w.r.o.CachingOperationNameGenerator: Generating unique operation named: updateStudentUsingPUT_1
2020-05-30 01:53:25.538 INFO 1 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2020-05-30 01:53:25.541 INFO 1 --- [           main] o.p.s.SpringbootStudentinfoApplication : Started SpringbootStudentinfoApplication in 14.404 seconds (JVM running for 15.466)
2020-05-30 02:03:20.222 INFO 1 --- [extShutdownHook] o.s.s.concurrent.ThreadPoolTaskExecutor : Shutting down ExecutorService 'applicationTaskExecutor'
2020-05-30 02:03:20.229 INFO 1 --- [extShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 02:03:20.230 INFO 1 --- [extShutdownHook] .SchemaDropperImpl$DelayedDropActionImpl : HHH000477: Starting delayed evictData of schema as part of SessionFactory shutdown
Hibernate: drop table if exists student CASCADE
Hibernate: drop sequence if exists hibernate_sequence
2020-05-30 02:03:20.257 INFO 1 --- [extShutdownHook] com.zaxxer.hikari.HikariDataSource      : HikariPool-1 - Shutdown initiated...
2020-05-30 02:03:20.267 INFO 1 --- [extShutdownhook] com.zaxxer.hikari.HikariDataSource      : HikariPool-1 - Shutdown completed.

```

vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/springboot-studentinfo (master)

\$ docker run -d -p 8080:8080 konduruvijaykumar/springboot-studentinfo:v1.0

a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2

The screenshot shows the Docker desktop application window. At the top, there's a search bar labeled "Search..." and a "Sort by" dropdown. Below the header, a list of containers is displayed:

- serene_leavitt** konduruvijaykumar/springboot-studentinfo:v1.0
RUNNING PORT: 8080
- angry_moore** konduruvijaykumar/springboot-studentinfo:v1.0
EXITED (143) PORT: 8080
- jolly_mendel** konduruvijaykumar/springboot-studentinfo:v1.0
EXITED (143)
- frosty_margulis** konduruvijaykumar/java-helloworld:v2.0
EXITED (0)
- funny_keller** konduruvijaykumar/java-helloworld:v1.0
EXITED (0)
- confident_ritchie** konduruvijaykumar/java-helloworld:v2.0
EXITED (0)
- practical_cohen** konduruvijaykumar/java-helloworld:v1.0
EXITED (0)
- lucid_raman** konduruvijaykumar/java-helloworld:v1.0
EXITED (0)

At the bottom, there are two status indicators: "Docker running" and "Kubernetes running".

This screenshot shows the Docker desktop interface with the "Logs" tab selected for the container **serene_leavitt**. The logs output is as follows:

```
2020-05-30 02:03:44.045 INFO 1 --- [ main] pertySourcedRequestMappingHandlerMapping : Mapped URL path (/v2/api-docs) onto method [springfox.documentation.swagger2.web.Swagger2Controller#getDocumentation(String, HttpServletRequest)]
2020-05-30 02:03:44.241 INFO 1 --- [ main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-05-30 02:03:44.973 INFO 1 --- [ main] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2020-05-30 02:03:45.018 INFO 1 --- [ main] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)
2020-05-30 02:03:45.088 INFO 1 --- [ main] s.d.s.w.s.ApiListingReferenceScanner : Scanning for api listing references
2020-05-30 02:03:45.312 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: addStudentUsingPOST_1
2020-05-30 02:03:45.323 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: deleteStudentUsingDELETE_1
2020-05-30 02:03:45.339 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: getAllStudentsUsingGET_1
2020-05-30 02:03:45.358 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: updateStudentUsingPUT_1
2020-05-30 02:03:45.404 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: welcomeUsingGET_1
2020-05-30 02:03:45.531 INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2020-05-30 02:03:45.537 INFO 1 --- [ main] o.p.s.SpringbootStudentinfoApplication : Started SpringbootStudentinfoApplication in 13.099 seconds (JVM running for 14.102)
```

Below the logs, there are tabs for "Logs", "Inspect", and "Stats". A search bar at the bottom is labeled "Search...".

Logs

Inspect (selected)

Stats

Environment

PATH	/usr/local/openjdk-8/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin/bin
LANG	C.UTF-8
JAVA_HOME	/usr/local/openjdk-8
JAVA_VERSION	8u252
JAVA_BASE_URL	https://github.com/AdoptOpenJDK/openjdk8-upstream-binaries/releases/download/jdk8u252-b09/OpenJDK8U-jre_
JAVA_URL_VERSION	8u252b09

Port

8080/tcp	localhost:8080
----------	----------------

Logs

Inspect

Stats (selected)

CPU USAGE 0.19%

MEMORY USAGE 517.1 MB

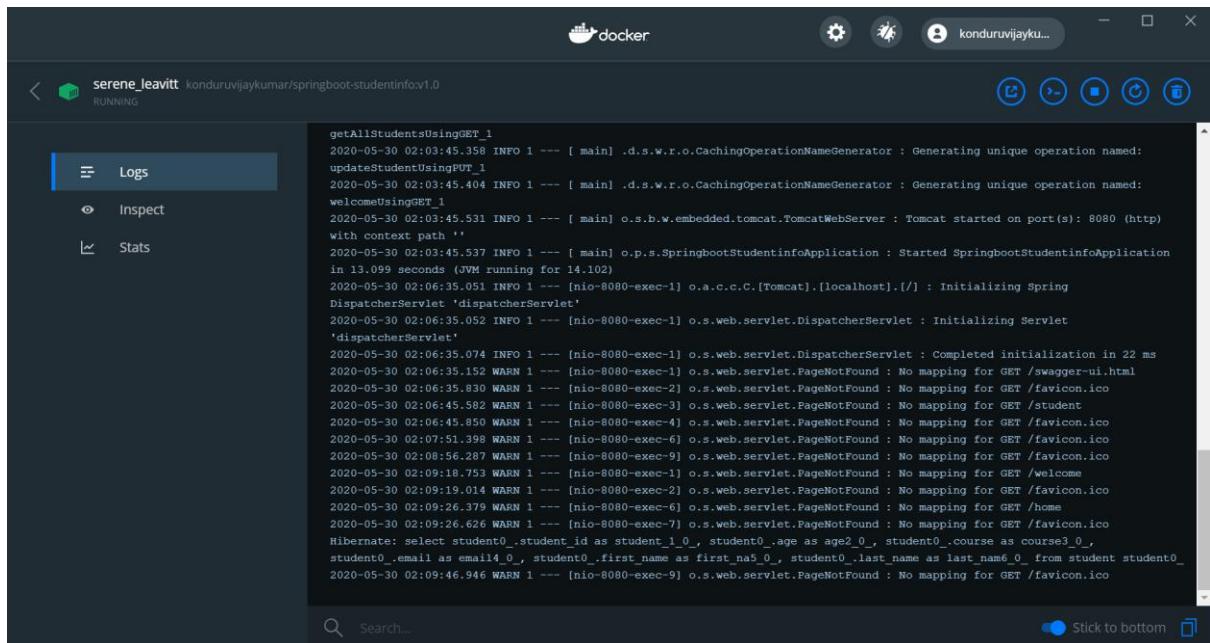
DISK READ/WRITE 0 Bytes / 0 Bytes

NETWORK I/O 6.5 kB / 9 kB

```
{"result":"Welcome to student web service, this service is working"}
```



```
{"result":[{"studentId":2020,"age":29,"firstName":"Vijay","lastName":"Konduru","email":"vijay@cloudexp.com","course":"Cloud Expert"}, {"studentId":2021,"age":32,"firstName":"Tom","lastName":"White","email":"tom@cloudexp.com","course":"Advanced AI"}]}
```



The screenshot shows the Docker Desktop application window. At the top, it displays the container name "serene_leavitt" and its status as "RUNNING". Below the header, there are three tabs: "Logs" (which is selected), "Inspect", and "Stats". The "Logs" tab contains a large block of text representing the application's console output. The log entries are timestamped and show various INFO and WARN messages related to the Spring Boot application's startup and database interactions.

```
getAllStudentsUsingGET_1
2020-05-30 02:03:45.358 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: updateStudentUsingPUT_1
2020-05-30 02:03:45.404 INFO 1 --- [ main] .d.s.w.r.o.CachingOperationNameGenerator : Generating unique operation named: welcomeUsingGET_1
2020-05-30 02:03:45.531 INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2020-05-30 02:03:45.537 INFO 1 --- [ main] o.p.s.SpringbootStudentinfoApplication : Started SpringbootStudentinfoApplication in 13.099 seconds (JVM running for 14.102)
2020-05-30 02:06:35.051 INFO 1 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2020-05-30 02:06:35.052 INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2020-05-30 02:06:35.074 INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 22 ms
2020-05-30 02:06:35.152 WARN 1 --- [nio-8080-exec-1] o.s.web.servlet.PageNotFound : No mapping for GET /swagger-ui.html
2020-05-30 02:06:35.830 WARN 1 --- [nio-8080-exec-2] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
2020-05-30 02:06:45.582 WARN 1 --- [nio-8080-exec-3] o.s.web.servlet.PageNotFound : No mapping for GET /student
2020-05-30 02:06:45.850 WARN 1 --- [nio-8080-exec-4] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
2020-05-30 02:07:51.398 WARN 1 --- [nio-8080-exec-6] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
2020-05-30 02:08:56.287 WARN 1 --- [nio-8080-exec-9] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
2020-05-30 02:09:18.753 WARN 1 --- [nio-8080-exec-1] o.s.web.servlet.PageNotFound : No mapping for GET /welcome
2020-05-30 02:09:19.014 WARN 1 --- [nio-8080-exec-2] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
2020-05-30 02:09:26.379 WARN 1 --- [nio-8080-exec-6] o.s.web.servlet.PageNotFound : No mapping for GET /home
2020-05-30 02:09:26.626 WARN 1 --- [nio-8080-exec-7] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
Hibernate: select student0_.student_id as student1_0_, student0_.student_id as age2_0_, student0_.course as course3_0_, student0_.email as email4_0_, student0_.first_name as first_na5_0_, student0_.last_name as last_name6_0_ from student student0_
2020-05-30 02:09:46.946 WARN 1 --- [nio-8080-exec-9] o.s.web.servlet.PageNotFound : No mapping for GET /favicon.ico
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
vijayk@DESKTOP-OMSLGQ: MINGW64 ~ /git/docker-samples/springboot-studentinfo (master)
$ docker inspect a3867ee5b99a
[
  {
    "Id": "a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2",
    "Created": "2020-05-30T02:03:31.081574158Z",
    "Path": "java",
    "Args": [
      "-jar",
      "studentinfo.jar"
    ],
    "State": {
      "Status": "running",
      "Running": true,
      "Paused": false,
      "Restarting": false,
      "OOMKilled": false,
      "Dead": false,
      "Pid": 78954,
      "ExitCode": 0,
      "Error": "",
      "StartedAt": "2020-05-30T02:03:31.436635455Z",
      "FinishedAt": "2001-01-01T00:00:00Z"
    },
    "Image": "sha256:cd666079c1735d6a2a039fa2ca9256cbb1c91d77f032731b2c603970d47f029",
    "ResolvConfPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/hostname",
    "HostsPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/hosts",
    "LogPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2",
    "Name": "/serene_leavitt",
    "RestartCount": 0,
    "Driver": "overlay2",
    "Platform": "linux",
    "MountLabel": "",
    "ProcessLabel": "",
    "AppArmorProfile": "",
    "ExecIDs": null,
    "HostConfig": {
      "Binds": null,
      "ContainerIDFile": "",
      "LogConfig": {
        "Type": "json-file",
        "Config": {}
      },
      "NetworkMode": "default",
      "PortBindings": {
        "8080/tcp": [
          {
            "HostIp": "",
            "HostPort": "8080"
          }
        ]
      },
      "RestartPolicy": {
        "Name": "no",
        "MaximumRetryCount": 0
      },
      "AutoRemove": false,
      "VolumeDriver": null,
      "VolumesFrom": null,
      "CapAdd": null,
      "CapDrop": null,
      "Capabilities": null,
      "Dns": [],
      "DnsOptions": [],
      "DnsSearch": [],
      "ExtraHosts": null,
      "GroupAdd": null,
      "Ingress": false,
      "IpcMode": "private",
      "Cgroup": null,
      "Links": null,
      "OomScoreAdj": 0,
      "PidMode": "",
      "Privileged": false,
      "PublishAllPorts": false,
      "ReadonlyRootfs": false,
      "SecurityOpt": null,
      "Ulimits": null,
      "UsernsMode": null,
      "ShmSize": 67108864,
      "Runtime": "runc",
      "ConsoleSize": [
        0,
        0
      ],
      "Isolation": "",
      "CpuShares": 0
    }
  }
]
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
vijayk@DESKTOP-OMSLGQ: MINGW64 ~ /git/docker-samples/springboot-studentinfo (master)
$ docker inspect a3867ee5b99a
[{"Id": "a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2", "Created": "2020-05-30T02:03:31.081574158Z", "Path": "java", "Args": ["-jar", "studentinfo.jar"], "State": {"Status": "running", "Running": true, "Paused": false, "Restarting": false, "OOMKilled": false, "Dead": false, "Pid": 78954, "ExitCode": 0, "Error": "", "StartedAt": "2020-05-30T02:03:31.436635455Z", "FinishedAt": "2001-01-01T00:00:00Z"}, "Image": "sha256:cd666079c1735d6a2a039fa2ca9256cbb1c91d77f032731b2c603970d47f029", "ResolvConfPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/resolv.conf", "HostnamePath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/hostname", "HostsPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/hosts", "LogPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2", "Name": "/serene_leavitt", "RestartCount": 0, "Driver": "overlay2", "Platform": "linux", "MountLabel": "", "ProcessLabel": "", "AppArmorProfile": "", "ExecIDs": null, "HostConfig": {"Binds": null, "ContainerIDFile": "", "LogConfig": {"Type": "json-file", "Config": {}}, "NetworkMode": "default", "PortBindings": {"8080/tcp": [{"HostIp": "", "HostPort": "8080"}]}, "RestartPolicy": {"Name": "no", "MaximumRetryCount": 0}, "AutoRemove": false, "VolumeDriver": null, "VolumesFrom": null, "CapAdd": null, "CapDrop": null, "Capabilities": null, "Dns": [], "DnsOptions": [], "DnsSearch": [], "ExtraHosts": null, "GroupAdd": null, "Ingress": false, "IpcMode": "private", "Cgroup": null, "Links": null, "OomScoreAdj": 0, "PidMode": "", "Privileged": false, "PublishAllPorts": false, "ReadonlyRootfs": false, "SecurityOpt": null, "Ulimits": null, "UsernsMode": null, "ShmSize": 67108864, "Runtime": "runc", "ConsoleSize": [0, 0], "Isolation": "", "CpuShares": 0}}, {"Id": "a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2", "Created": "2020-05-30T02:03:31.081574158Z", "Path": "java", "Args": ["-jar", "studentinfo.jar"], "State": {"Status": "running", "Running": true, "Paused": false, "Restarting": false, "OOMKilled": false, "Dead": false, "Pid": 78954, "ExitCode": 0, "Error": "", "StartedAt": "2020-05-30T02:03:31.436635455Z", "FinishedAt": "2001-01-01T00:00:00Z"}, "Image": "sha256:cd666079c1735d6a2a039fa2ca9256cbb1c91d77f032731b2c603970d47f029", "ResolvConfPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/resolv.conf", "HostnamePath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/hostname", "HostsPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/hosts", "LogPath": "/var/lib/docker/containers/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2/a3867ee5b99ade035421a41cc88c68ea8c393d4dc0f87f9763ad6a23e4e756a2", "Name": "/serene_leavitt", "RestartCount": 0, "Driver": "overlay2", "Platform": "linux", "MountLabel": "", "ProcessLabel": "", "AppArmorProfile": "", "ExecIDs": null, "HostConfig": {"Binds": null, "ContainerIDFile": "", "LogConfig": {"Type": "json-file", "Config": {}}, "NetworkMode": "default", "PortBindings": {"8080/tcp": [{"HostIp": "", "HostPort": "8080"}]}, "RestartPolicy": {"Name": "no", "MaximumRetryCount": 0}, "AutoRemove": false, "VolumeDriver": null, "VolumesFrom": null, "CapAdd": null, "CapDrop": null, "Capabilities": null, "Dns": [], "DnsOptions": [], "DnsSearch": [], "ExtraHosts": null, "GroupAdd": null, "Ingress": false, "IpcMode": "private", "Cgroup": null, "Links": null, "OomScoreAdj": 0, "PidMode": "", "Privileged": false, "PublishAllPorts": false, "ReadonlyRootfs": false, "SecurityOpt": null, "Ulimits": null, "UsernsMode": null, "ShmSize": 67108864, "Runtime": "runc", "ConsoleSize": [0, 0], "Isolation": "", "CpuShares": 0}}]
```

```
MINGW64/c/Users/vijayk/git/docker-samples/springboot-studentinfo
    "workDir": "/var/lib/docker/overlay2/ef9fd2a1547e2ae2da4967e92d4d9483f852a7ff8e6c03d48a8f644002b156cf7/work"
},
{
    "Name": "overlay2"
},
{
    "Mounts": [],
    "Config": {
        "Hostname": "a3867ee5b99a",
        "Domainname": "",
        "User": "",
        "AttachStdin": false,
        "AttachStdout": false,
        "AttachStderr": false,
        "ExposedPorts": {
            "8080/tcp": {}
        },
        "Tty": false,
        "OpenStdin": false,
        "StdinOnce": false,
        "Env": [
            "PATH=/usr/local/openjdk-8/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/bin",
            "LANG=C.UTF-8",
            "JAVA_HOME=/usr/local/openjdk-8",
            "JAVA_VERSION=8u252",
            "JAVA_BASE_URL=https://github.com/AdoptOpenJDK/openjdk8-upstream-binaries/releases/download/jdk8u252-b09/OpenJDK8U-jre_",
            "JAVA_URL=8u252b09"
        ],
        "Cmd": null,
        "Image": "konduruvijaykumar/springboot-studentinfo:v1.0",
        "Volumes": null,
        "WorkingDir": "",
        "Entrypoint": [
            "java",
            "-jar",
            "studentinfo.jar"
        ],
        "OnBuild": null,
        "Labels": {}
    },
    "NetworkSettings": {
        "Bridge": "",
        "SandboxID": "901faac599b12e4ccc56a18989b1267233f04253bcd7a1a48a78b8ca20b863d0",
        "HairpinMode": false,
        "LinkLocalIPv6Address": "",
        "LinkLocalIPv6PrefixLen": 0,
        "Ports": {
            "8080/tcp": [
                {
                    "HostIp": "0.0.0.0",
                    "HostPort": "8080"
                }
            ]
        }
    }
}
```

```
MINGW64/c/Users/vijayk/git/docker-samples/springboot-studentinfo
    "LinkLocalIPv6PrefixLen": 0,
    "Ports": {
        "8080/tcp": [
            {
                "HostIp": "0.0.0.0",
                "HostPort": "8080"
            }
        ]
    },
    "SandboxKey": "/var/run/docker/netns/901faac599b1",
    "SecondaryIPAddresses": null,
    "EndpointID": "ac81bd0a042114c8ce7e4d099c2e9ef5b13c840c0b3e665f5b5cb5db4d9975d4",
    "Gateway": "172.17.0.1",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "IPAddress": "172.17.0.2",
    "IPPrefixLen": 16,
    "IPv6Gateway": "",
    "MacAddress": "02:42:ac:11:00:02",
    "Networks": [
        "bridge": {
            "IPAMConfig": null,
            "Links": null,
            "Aliases": null,
            "NetworkID": "6d4f513bcf9afaaa56c04e834c1c0cc40e60cb35969672e64d4c846adb292aba",
            "EndpointID": "ac81bd0a042114c8ce7e4d099c2e9ef5b13c840c0b3e665f5b5cb5db4d9975d4",
            "Gateway": "172.17.0.1",
            "IPAddress": "172.17.0.2",
            "IPPrefixLen": 16,
            "IPv6Gateway": "",
            "GlobalIPv6Address": "",
            "GlobalIPv6PrefixLen": 0,
            "MacAddress": "02:42:ac:11:00:02",
            "DriverOpts": null
        }
    ]
}
]
vijayk@DESKTOP-0MSLGQ: MINGW64 ~ /git/docker-samples/springboot-studentinfo (master)
$ docker inspect a3867ee5b99a | grep "IPAddress"
"SecondaryIPAddresses": null,
"IPAddress": "172.17.0.2",
"IPAddress": "172.17.0.2",
vijayk@DESKTOP-0MSLGQ: MINGW64 ~ /git/docker-samples/springboot-studentinfo (master)
$
```

docker inspect a3867ee5b99a

docker inspect a3867ee5b99a | grep "IPAddress"

```

MINGW64:/c/Users/vijayk/git/docker-samples/springboot-studentinfo
minutes)
vijayk@DESKTOP-0MSLGQ MINGW64 ~ /git/docker-samples/springboot-studentinfo (master)
$ docker logs --details a3867ee5b99a

:: Spring Boot ::
(v2.2.7.RELEASE)

2020-05-30 02:03:33.785 INFO 1 --- [      main] o.p.s.SpringbootStudentinfoApplication : Starting SpringbootStudentinfoApplication v0.0.1-SNAPSHOT on a3867ee5b99a
with PID 1 (/studentinfo.jar) started by root in /
2020-05-30 02:03:33.791 INFO 1 --- [      main] o.p.s.SpringbootStudentinfoApplication : No active profile set, falling back to default profiles: default
2020-05-30 02:03:36.588 INFO 1 --- [      main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2020-05-30 02:03:36.756 INFO 1 --- [      main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 149ms. Found 1 JPA repository
interfaces.
2020-05-30 02:03:38.114 INFO 1 --- [      main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2020-05-30 02:03:38.140 INFO 1 --- [      main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2020-05-30 02:03:38.141 INFO 1 --- [      main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.34]
2020-05-30 02:03:38.322 INFO 1 --- [      main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2020-05-30 02:03:38.450 INFO 1 --- [      main] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 4393 ms
2020-05-30 02:03:38.630 INFO 1 --- [      main] com.zaxxer.hikari.HikariDataSource : Hikaripool-1 - Starting...
2020-05-30 02:03:39.191 INFO 1 --- [      main] com.zaxxer.hikari.HikariDataSource : Hikaripool-1 - Start completed.
2020-05-30 02:03:39.205 INFO 1 --- [      main] o.s.b.a.h2.H2ConsoleAutoConfiguration : H2 console available at '/h2-console'. Database available at 'jdbc:h2:mem:myDB'.
2020-05-30 02:03:39.467 INFO 1 --- [      main] o.s.boot.web.servlet.RegistrationBean : Servlet webServlet was not registered (possibly already registered)?
2020-05-30 02:03:39.916 INFO 1 --- [      main] o.hibernate.jpa.internal.util.LogHelper : HHHH000204: Processing PersistenceUnitInfo [name: default]
2020-05-30 02:03:40.456 INFO 1 --- [      main] org.hibernate.Version : HHH0000412: Hibernate ORM core version 5.4.15.Final
2020-05-30 02:03:40.733 INFO 1 --- [      main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
2020-05-30 02:03:40.108 INFO 1 --- [      main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.H2Dialect
Hibernate: drop sequence if exists student_hibernate_sequence
Hibernate: create sequence hibernate_sequence start with 1 increment by 1
Hibernate: create table student (student_id bigint not null, age integer, course varchar(255), email varchar(255), first_name varchar(255), last_name varchar(255), primary key (student_id))
2020-05-30 02:03:42.520 INFO 1 --- [      main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2020-05-30 02:03:42.547 INFO 1 --- [      main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-05-30 02:03:43.622 WARN 1 --- [      main] jpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2020-05-30 02:03:43.891 INFO 1 --- [      main] o.b.a.e.web.EndpointLinksResolver : Exposing 2 endpoint(s) beneath base path '/actuator'
2020-05-30 02:03:44.045 INFO 1 --- [      main] party.sourcedRequestMappingHandlerMapping : Mapped URL path [/v2/api-docs] onto method [springfox.documentation.swagger.r2_web.Swagger2Controller#getDocumentation(String, HttpServletRequest)]
2020-05-30 02:03:44.241 INFO 1 --- [      main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-05-30 02:03:44.973 INFO 1 --- [      main] d.s.w.p.DocumentationPluginsBootstrapper : Context refreshed
2020-05-30 02:03:45.018 INFO 1 --- [      main] d.s.w.p.DocumentationPluginsBootstrapper : Found 1 custom documentation plugin(s)

```

```

Select Command Prompt

C:\Users\vijayk\git\docker-samples\java-helloworld>docker exec a3867ee5b99a pwd
/

C:\Users\vijayk\git\docker-samples\java-helloworld>docker exec -i -t a3867ee5b99a /bin/bash
root@a3867ee5b99a:/# ls -l
total 4712
drwxr-xr-x  1 root  root   4096 May 15 21:03 bin
drwxr-xr-x  2 root  root   4096 May  2 16:39 boot
drwxr-xr-x  5 root  root   340 May 30 02:03 dev
drwxr-xr-x  1 root  root   4096 May 30 02:03 etc
drwxr-xr-x  2 root  root   4096 May  2 16:39 home
drwxr-xr-x  1 root  root   4096 May 15 17:32 lib
drwxr-xr-x  2 root  root   4096 May 14 14:50 lib64
drwxr-xr-x  2 root  root   4096 May 14 14:50 media
drwxr-xr-x  2 root  root   4096 May 14 14:50 mnt
drwxr-xr-x  2 root  root   4096 May 14 14:50 opt
dr-xr-xr-x  171 root  root     0 May 30 02:03 proc
drwxr-xr-x  1 root  root   4096 May 30 02:32 root
drwxr-xr-x  3 root  root   4096 May 14 14:50 run
drwxr-xr-x  2 root  root   4096 May 14 14:50 sbin
drwxr-xr-x  2 root  root   4096 May 14 14:50 srv
drwxr-xr-x  1 root  root 482340880 May 30 01:38 studentinfo.jar
dr-xr-xr-x  12 root  root     0 May 30 02:03 sys
drwxrwxrwt  1 root  root   4096 May 30 02:03 tmp
drwxr-xr-x  1 root  root   4096 May 14 14:50 usr
drwxr-xr-x  1 root  root   4096 May 14 14:50 var
root@a3867ee5b99a:/# pwd
/
root@a3867ee5b99a:/# exit
exit

C:\Users\vijayk\git\docker-samples\java-helloworld>

```

docker logs --details a3867ee5b99a

docker exec a3867ee5b99a pwd

docker exec -i a3867ee5b99a /bin/bash (not working as expected)

docker exec -i -t a3867ee5b99a /bin/bash

docker info

```
C:\Users\vijayk\git\docker-samples\java-helloworld>docker push konduruvijaykumar/springboot-studentinfo:v1.0
The push refers to repository [docker.io/konduruvijaykumar/springboot-studentinfo]
e2758c30f1c5: Pushed
c7ed915c011c: Mounted from library/openjdk
a80458a0e334: Mounted from library/openjdk
24ae30bb2901: Mounted from library/openjdk
760e8d95cf58: Mounted from konduruvijaykumar/java-helloworld
7cc1c2d7e744: Mounted from konduruvijaykumar/java-helloworld
8c02234b8605: Mounted from konduruvijaykumar/java-helloworld
v1.0: digest: sha256:d4e059b3d0d95c6fe0c74seaf3cb4fecedb03c33cc1145a02f8b4b8643ee9cce size: 1793
C:\Users\vijayk\git\docker-samples\java-helloworld
```

docker push konduruvijaykumar/springboot-studentinfo:v1.0

The screenshot shows the Docker Hub interface with the user 'konduruvijaykumar' selected. The page displays five repositories:

- konduruvijaykumar / springboot-studentinfo**: Updated 3 minutes ago, 0 stars, 0 downloads, PUBLIC.
- konduruvijaykumar / java-helloworld**: Updated an hour ago, 0 stars, 10 downloads, PUBLIC.
- konduruvijaykumar / sap-api**: Updated a year ago, 0 stars, 30 downloads, PUBLIC.
- konduruvijaykumar / kubernetes-userproxy**: Updated a year ago, 0 stars, 74 downloads, PUBLIC.
- konduruvijaykumar / kubernetes-userservice**: Updated a year ago, 0 stars, 64 downloads, PUBLIC.

A link to the repository 'https://hub.docker.com/repository/docker/konduruvijaykumar/springboot-studentinfo' is visible at the bottom of the list.

```
docker build -t konduruvijaykumar/springboot-studentinfo:v1.0-swagger .
docker run -d -p 8080:8080 konduruvijaykumar/springboot-studentinfo:v1.0-swagger
docker logs --details 2ef94bfa2fdf
docker stop 2ef94bfa2fdf
```

The screenshot shows a browser window with the title "Swagger UI" at the top. The URL is "localhost:8080/swagger-ui.html#/student-application-controller". The main header has a green bar with the word "swagger" and a dropdown menu "Select a spec" set to "default". Below the header, the title "Api Documentation" is displayed with a "1.0" badge. A link to "Base URL: localhost:8080/ [http://localhost:8080/v2/api-docs]" is shown. Under "Api Documentation", there are links for "Terms of service" and "Apache 2.0". The main content area is titled "student-application-controller Student Application Controller". It lists three API endpoints: "GET /students getAllStudents" (blue button), "POST /students addStudent" (green button), and "PUT /students updateStudent" (orange button). The "updateStudent" endpoint is currently selected.

```
Command Prompt
bf1e0207ef1      k8s.gcr.io/pause:3.1           "/pause"          10 hours ago   Up 10 hours
0_etc-docker-desktop_kube-system_bc3eca0122540ccc59e959a7805e87e8_0
5fe5d46cec87      k8s.gcr.io/pause:3.1           "/pause"          10 hours ago   Up 10 hours
D_kube-scheduler-docker-desktop_kube-system_28dd1b1230fbe15350eb1b896ae9493d_0
d65b53e98fe       k8s.gcr.io/pause:3.1           "/pause"          10 hours ago   Up 10 hours
D_kube-controller-manager-docker-desktop_kube-system_9876958db0c2cc26f76def745bfc1928_0

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop konduruvijaykumar/springboot-studentinfo:v1.0-swagger
Error response from daemon: No such container: konduruvijaykumar/springboot-studentinfo:v1.0-swagger

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop 2ef94bfa2fdf
2ef94bfa2fdf

C:\Users\vijayk\git\docker-samples\java-helloworld>docker push konduruvijaykumar/springboot-studentinfo:v1.0-swagger
The push refers to repository [docker.io/konduruvijaykumar/springboot-studentinfo]
cab8ab416887: Pushed
c7ed915c011c: Layer already exists
a8b488a0e334: Layer already exists
24ae30bb2901: Layer already exists
760e8d95cf58: Layer already exists
7cc1c2d7e744: Layer already exists
8c02234b8605: Layer already exists
v1.0-swagger: digest: sha256:b5f04cb7be266974bc63549a141a963777311e0f13f099f200c94b00ac4edb63 size: 1793

C:\Users\vijayk\git\docker-samples\java-helloworld>
```

Docker Hub Search for great content (e.g., mysql)

Explore Repositories Organizations Get Help konduruvijaykumar...

Repositories konduruvijaykumar / springboot-studentinfo Using 0 of 1 private repositories. [Get more](#)

General Tags Builds Timeline Collaborators Webhooks Settings

konduruvijaykumar / springboot-studentinfo

This repository does not have a description

Last pushed: a few seconds ago

Docker commands

To push a new tag to this repository,

`docker push konduruvijaykumar/springboot-studentinfo:tagname`

Tags

This repository contains 2 tag(s).

v1.0		19 minutes ago
v1.0-swagger		a few seconds ago

[See all](#)

Recent builds

Link a source provider and run a build to see build results here.

```

MINGW64:/c/Users/vijay/git/docker-samples
$ git push
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 490.00 KiB/s, done.
Total 7 (delta 5), reused 0 (delta 0)
remote: Resolving deltas: 100% (5/5); completed with 5 local objects.
To https://github.com/konduruvijaykumar/docker-samples.git
   ec7f045..68526c1 master --> master

vijay@DESKTOP-OMSLGQ:~/git/docker-samples (master)$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
konduruvijaykumar/springboot-studentinfo    v1.0-swagger      e672acdeb7c  25 minutes ago  313MB
konduruvijaykumar/springboot-studentinfo    v1.0           cde001111111  2 hours ago   313MB
konduruvijaykumar/java-helloworld          v2.0           d158e3665cf7  2 hours ago   510MB
konduruvijaykumar/java-helloworld          v1.0           27af2a0e78c  2 hours ago   510MB
java-helloworld                         latest          4aaef4ff1ae93  10 days ago  510MB
openjdk                8-jre          1c5f6cd937b5  2 weeks ago  265MB
openjdk                8             1077d23b5882  2 weeks ago  510MB
openjdk                v2.0.0         8b32422733b3  5 weeks ago  222MB
kubernetesui/dashboard          v2.0.0         86262685d9ab  2 months ago  36.9MB
kubernetesui/metrics-scrapers        v1.0.4         e704257ce753  2 months ago  41.8MB
docker/desktop-storage-provisioner     v1.1           60540f05e57b  2 months ago  33.1MB
docker/desktop-storage-provisioner     v1.0           730d775a1111  2 months ago  30.9MB
docker/desktop-pantheon-controller     v1.0           a86647f0b376  4 months ago  27.9MB
docker/desktop-kubernetes            kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  b4d073a9efda  4 months ago  83.5MB
k8s.gcr.io/kube-scheduler            v1.16.5         fc838b21a7fb  4 months ago  15.9MB
k8s.gcr.io/kube-apiserver           v1.16.5         441835dd2301  4 months ago  15.1MB
k8s.gcr.io/kube-controller-manager   v1.16.5         0ee1b8a3ebe0  4 months ago  82.7MB
docker/kube-compose-controller       v0.4.25-alpha1  129151cdf35f  7 months ago  35.6MB
docker/kube-compose-api-server       v0.4.25-alpha1  989749268895  7 months ago  50.7MB
docker/kube-compose-installer        v0.4.25-alpha1  2a71ac5a1359  7 months ago  42.3MB
k8s.gcr.io/kube-apiserver           v1.16.5         e53493414111  7 months ago  20.8MB
k8s.gcr.io/kube-controller-manager   v1.15.5         1393972fa139  7 months ago  15.9MB
k8s.gcr.io/kube-proxy               v1.15.5         cbdf7f21fecc99  7 months ago  82.4MB
k8s.gcr.io/kube-scheduler           v1.15.5         fab2ded59d  7 months ago  81.1MB
k8s.gcr.io/etcd                     3.3.15-0        b2756210eab  8 months ago  24.7MB
k8s.gcr.io/coredns                 1.6.2          bf261d157914  9 months ago  44.1MB
docker/kube-compose-controller       v0.4.23         a8c3d87a58e7  11 months ago  35.3MB
docker/kube-compose-api-server       v0.4.23         f3591b2cb223  11 months ago  49.9MB
k8s.gcr.io/coredns                 1.3.1          e6516548c180  16 months ago  40.3MB
k8s.gcr.io/etcd                     3.3.10         2c4adeb21b4f  18 months ago  29.8MB
k8s.gcr.io/pause                   3.1           da86e6ba26ca1  2 years ago  742kB

```

The screenshot shows two separate tabs in a web browser, likely Chrome, displaying Docker image pages for Tomcat.

Top Tab: hub.docker.com/_/tomcat?tab=tags&page=1&name=8-jre8

Bottom Tab: hub.docker.com/_/tomcat?tab=tags&page=1&name=8-jre8-alpine

Tomcat 8-jre8-alpine Page Content:

IMAGE	DIGEST	OS/ARCH	COMPRESSED SIZE
8-jre8-alpine	bd912a2c37b8	linux/386	67.85 MB
	8b8b1eb786b5	linux/amd64	67.32 MB
	9f88cf4bda88	linux/arm/v6	64.54 MB
+4 more...			

Tomcat 8-jre8 Page Content:

IMAGE	DIGEST	OS/ARCH	COMPRESSED SIZE
8-jre8	25d0db0c0a01	linux/386	186.96 MB
	3639174793ba	linux/amd64	185.68 MB
	beb6a69d483	linux/arm/v5	173.57 MB
+4 more...			

The screenshot shows a Sublime Text editor window with multiple tabs open. The active tab is a Dockerfile for a Spring Boot application named "studentinfo".

File Path: C:\Users\vijayk\git\docker-samples\springboot-mvc-studentinfo\Dockefile

Dockerfile Content:

```
1 FROM tomcat:8-jre8
2
3 # https://github.com/docker-library/tomcat/blob/4b7edb6276a275185ddeb3db989573bf35aca2b5/8.5/jre8/Dockerfile
4 # https://hub.docker.com/_/tomcat
5 # https://hub.docker.com/_/tomcat?tab=tags&page=1&name=8-jre8
6 # No need to EXPOSE 8080 port, as the parent tomcat image already exposes port 8080
7
8 ADD ./target/student.war /usr/local/tomcat/webapps/
9
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-mvc-studentinfo
vijayk@DESKTOP-0MSLGQ: MINGW64 ~/git/docker-samples/springboot-mvc-studentinfo (master)
$ docker build -t konduruvijaykumar/springboot-mvc-studentinfo:v1.0 .
Sending build context to Docker daemon 115.7MB
Step 1/2 : FROM tomcat:8-jre8
8-jre8: Pulling from library/tomcat
c5155d5a1d11: Pulling fs layer
221d80d00a9e: Pulling fs layer
4250b3117dca: Pulling fs layer
d1370422ab93: Pulling fs layer
deb6b03222ca: Pulling fs layer
9cde8ad70cc3: Pulling fs layer
9668505be14db: Pulling fs layer
04b5c270ac81: Pulling fs layer
301d76fcab1f: Pulling fs layer
57ca7a0b9e79: Pulling fs layer
9c1de6826d7a3: Pulling fs layer
4250b3117dca: Verifying Checksum
4250b3117dca: Download complete
d1370422ab93: Verifying Checksum
d1370422ab93: Download complete
deb6b03222ca: Verifying Checksum
deb6b03222ca: Download complete
221d80d00a9e: Verifying Checksum
221d80d00a9e: Download complete
9cde8ad70cc3: Verifying Checksum
9cde8ad70cc3: Download complete
04b5c270ac81: Verifying Checksum
04b5c270ac81: Download complete
301d76fcab1f: Verifying Checksum
301d76fcab1f: Download complete
57ca7a0b9e79: Verifying Checksum
57ca7a0b9e79: Download complete
9c1de6826d7a3: Verifying Checksum
9c1de6826d7a3: Download complete
c5e155d5a1d1: Verifying Checksum
c5e155d5a1d1: Download complete
c5e155d5a1d1: Pull complete
221d80d00a9e: Pull complete
4250b3117dca: Pull complete
d1370422ab93: Pull complete
deb6b03222ca: Pull complete
```

```
MINGW64:/c/Users/vijayk/git/docker-samples/springboot-mvc-studentinfo
$ docker build -t konduruvijaykumar/springboot-mvc-studentinfo:v1.0 .
9668505be14db: Waiting
04b5c270ac81: Waiting
301d76fcab1f: Waiting
57ca7a0b9e79: Waiting
9c1de6826d7a3: Waiting
4250b3117dca: Verifying checksum
4250b3117dca: Download complete
d1370422ab93: Verifying checksum
d1370422ab93: Download complete
deb6b03222ca: Verifying checksum
deb6b03222ca: Download complete
221d80d00a9e: Verifying checksum
221d80d00a9e: Download complete
9cde8ad70cc3: Verifying checksum
9cde8ad70cc3: Download complete
04b5c270ac81: Verifying checksum
04b5c270ac81: Download complete
301d76fcab1f: Verifying checksum
301d76fcab1f: Download complete
57ca7a0b9e79: Verifying checksum
57ca7a0b9e79: Download complete
9c1de6826d7a3: Verifying checksum
9c1de6826d7a3: Download complete
c5e155d5a1d1: Verifying checksum
c5e155d5a1d1: Download complete
c5e155d5a1d1: Pull complete
221d80d00a9e: Pull complete
4250b3117dca: Pull complete
d1370422ab93: Pull complete
deb6b03222ca: Pull complete
9cde8ad70cc3: Pull complete
9cde8ad70cc3: Download complete
9668505be14db: Pull complete
04b5c270ac81: Pull complete
301d76fcab1f: Pull complete
57ca7a0b9e79: Pull complete
9c1de6826d7a3: Pull complete
Digest: sha256:7cdf9dc1472da80e7384403c57b0632753a3a5df4f310fc39462e08af8ef39
Status: Downloaded newer image for tomcat:8-jre8
--> 363174793ba
Step 2/2 : ADD ./target/student.war /usr/local/tomcat/webapps/
--> 092291a0999b
Successfully built 092291a0999b
Successfully tagged konduruvijaykumar/springboot-mvc-studentinfo:v1.0
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.
```

```
docker build -t konduruvijaykumar/springboot-mvc-studentinfo:v1.0 .
docker run -d -p 8080:8080 konduruvijaykumar/springboot-mvc-studentinfo:v1.0
docker logs --details f0af4a9a1e3c
docker inspect f0af4a9a1e3c
```

```

Select Command Prompt - docker exec -i -t f0af4a9a1e3c /bin/bash
k8s.gcr.io/coredns           1.6.2                                bf261d157914   9 months ago  44.1MB
docker/kube-compose-controller    v0.4.23                            a8c3d87a58e7   11 months ago  35.3MB
docker/kube-compose-api-server    v0.4.23                            f3591b2cb223   11 months ago  49.9MB
k8s.gcr.io/coredns           1.3.1                                eb516548c180   16 months ago  48.3MB
k8s.gcr.io/etcdd            3.3.10                             2c4adeb21b4f   18 months ago  298MB
k8s.gcr.io/pause             3.1                                 da86e6ba6ca1   2 years ago   742kB

C:\Users\wijayk\git\docker-samples\java-helloworld>docker exec -i -t f0af4a9a1e3c /bin/bash
root@f0af4a9a1e3c:/usr/local/tomcat#
/usr/local/tomcat
root@f0af4a9a1e3c:/usr/local/tomcat# ls -l
total 152
-rw-r--r-- 1 root root 19539 May  4 2019 BUILDING.txt
-rw-r--r-- 1 root root 5407 May  4 2019 CONTRIBUTING.md
-rw-r--r-- 1 root root 57892 May  4 2019 LICENSE
-rw-r--r-- 1 root root 1726 May  4 2019 NOTICE
-rw-r--r-- 1 root root 3255 May  4 2019 README.md
-rw-r--r-- 1 root root 7139 May  4 2019 RELEASE-NOTES
-rw-r--r-- 1 root root 16262 May  4 2019 RUNNING.txt
drwxr-xr-x 2 root root 4896 May 16 2019 bin
drwxr-sr-x 1 root root 4896 May 30 14:00 conf
drwxr-sr-x 2 root staff 4896 May 16 2019 include
drwxr-xr-x 2 root root 4896 May 16 2019 lib
drwxrwxrwx 1 root root 4896 May 30 14:00 logs
drwxr-sr-x 3 root staff 4896 May 16 2019 native-jni-lib
drwxr-xr-x 2 root root 4896 May 16 2019 temp
drwxr-xr-x 1 root root 4896 May 30 14:00 webapps
drwxrwxrwx 1 root root 4896 May 30 14:00 work
root@f0af4a9a1e3c:/usr/local/tomcat# cd webapps/
root@f0af4a9a1e3c:/usr/local/tomcat/webapps# ls -l
total 43436
drwxr-xr-x 3 root root 4096 May 16 2019 ROOT
drwxr-xr-x 14 root root 4096 May 16 2019 docs
drwxr-xr-x 6 root root 4096 May 16 2019 examples
drwxr-xr-x 5 root root 4096 May 16 2019 host-manager
drwxr-xr-x 5 root root 4096 May 16 2019 manager
drwxr-xr-x 5 root root 4096 May 30 14:00 student
-rwxr-xr-x 1 root root 44450001 May 30 03:41 student.war
root@f0af4a9a1e3c:/usr/local/tomcat/webapps# 

```

`docker exec -i -t f0af4a9a1e3c /bin/bash`

```

Command Prompt - docker exec -i -t f0af4a9a1e3c /bin/bash
-rwxr-xr-x 1 root root 44450001 May 30 03:41 student.war
root@f0af4a9a1e3c:/usr/local/tomcat/webapps# cd /
root@f0af4a9a1e3c:# ls -l
total 172
drwxr-xr-x 1 root root 4896 May  8 2019 bin
drwxr-xr-x 2 root root 4896 Mar 28 2019 boot
drwxr-xr-x 5 root root 348 May 30 14:00 dev
drwxrwxrwx 1 root root 33 May  8 2019 docker-java-home -> /usr/lib/jvm/java-8-openjdk-amd64
drwxr-xr-x 1 root root 4896 May 30 14:00 etc
drwxr-xr-x 2 root root 4896 Mar 28 2019 home
drwxr-xr-x 1 root root 4896 May 16 2019 lib
drwxr-xr-x 2 root root 4896 May  6 2019 lib64
drwxr-xr-x 2 root root 4896 May  6 2019 media
drwxr-xr-x 2 root root 4896 May  6 2019 mnt
drwxr-xr-x 2 root root 4896 May  6 2019 opt
dr-xr-xr-x 172 root root  0 May 30 14:00 proc
drwxr----- 2 root root 4896 May  6 2019 root
drwxr-xr-x 3 root root 4896 May  6 2019 run
drwxr-xr-x 2 root root 4896 May  6 2019 sbin
drwxr-xr-x 2 root root 4896 May  6 2019 srv
dr-xr-xr-x 12 root root  0 May 30 02:32 sys
drwxrwxrwt 1 root root 4896 May 16 2019 tmp
drwxr-xr-x 1 root root 4896 May  6 2019 usr
drwxr-xr-x 1 root root 4896 May  6 2019 var
root@f0af4a9a1e3c:# cd usr/local/tomcat/
root@f0af4a9a1e3c:/usr/local/tomcat# ls -l
total 152
-rw-r--r-- 1 root root 19539 May  4 2019 BUILDING.txt
-rw-r--r-- 1 root root 5407 May  4 2019 CONTRIBUTING.md
-rw-r--r-- 1 root root 57892 May  4 2019 LICENSE
-rw-r--r-- 1 root root 1726 May  4 2019 NOTICE
-rw-r--r-- 1 root root 3255 May  4 2019 README.md
-rw-r--r-- 1 root root 7139 May  4 2019 RELEASE-NOTES
-rw-r--r-- 1 root root 16262 May  4 2019 RUNNING.txt
drwxr-xr-x 2 root root 4896 May 16 2019 bin
drwxr-sr-x 1 root root 4896 May 30 14:00 conf
drwxr-sr-x 2 root staff 4896 May 16 2019 include
drwxr-xr-x 2 root root 4896 May 16 2019 lib
drwxrwxrwx 1 root root 4896 May 30 14:00 logs
drwxr-sr-x 3 root staff 4896 May 16 2019 native-jni-lib
drwxr-xr-x 2 root root 4896 May 16 2019 temp

```

```

Select Command Prompt
drwxr-xr-x 2 root root 4096 May 16 2019 bin
drwxr-sr-x 1 root root 4096 May 30 14:00 conf
drwxr-sr-x 2 root staff 4096 May 16 2019 include
drwxr-xr-x 2 root root 4096 May 16 2019 lib
drwxrwxrwx 1 root root 4096 May 30 14:00 logs
drwxr-sr-x 3 root staff 4096 May 16 2019 native-jni-lib
drwxr-xr-x 2 root root 4096 May 16 2019 temp
drwxr-xr-x 1 root root 4096 May 30 14:00 webapps
drwxrwxrwx 1 root root 4096 May 30 14:00 work
root@f0af4a9a1e3c:/usr/local/tomcat# exit

C:\Users\wijayk\git\docker-samples\java-helloworld>docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS               NAMES
f0af4a9a1e3c        konduruvijaykumar/springboot-mvc-studentinfo:v1.0   "catalina.sh run"    6 minutes ago     Up 6 minutes      0.0.0.0:8080->8080/tcp   friendly_m
iztakhan1           a4f8322b7285        "storage-provisione..."   21 hours ago      Up 21 hours       k8s_storag
e-provisioner_stor...  79da37e5a3aa        "/kube-vpnkit-forwar..."   21 hours ago      Up 21 hours       k8s_vpnkit
-controller_vp...    7292680fb0855        "compose-controller..."   21 hours ago      Up 21 hours       k8s_compos
e_compose-78f95d4f...  129191cd735f        "/compose-controller..."   21 hours ago      Up 21 hours       k8s_compos
e_compose-api-6ff...  9ca57fd3d755        "/api-server --kubec..."   21 hours ago      Up 21 hours       k8s_compos
e_compose-api-6ff...  e0af4a9a1e3c        "/storage-provisione..."   21 hours ago      Up 21 hours       k8s_kube-p
roxy_kube-proxy-...  e4f8322b7285        "/coredns -conf /etc..."   21 hours ago      Up 21 hours       k8s_coredn
e6ff571b9e1a        bf261d157914        "/coredns -conf /etc..."   21 hours ago      Up 21 hours       k8s_coredn
s_coredns-5644d7b...  a08497b4c577        "/coredns -conf /etc..."   21 hours ago      Up 21 hours       k8s_coredn
s_coredns-5644d7b...  b2948d01c1c8        "/pause"           21 hours ago      Up 21 hours       k8s_POD_co
impose-api-6ff...    k8s_gcr.io/pause:3.1  "/pause"           21 hours ago      Up 21 hours       k8s_POD_co
impose-78f95d4f...  k8s_gcr.io/pause:3.1  "/pause"           21 hours ago      Up 21 hours       k8s_POD_co
c27c2bb953cd        k8s_gcr.io/pause:3.1  "/pause"           21 hours ago      Up 21 hours       k8s_POD_vp
nklt-controller_ku...  180cc97c41c4        "/pause"           21 hours ago      Up 21 hours       k8s_POD_st
orage-provisioner_...  dea977df661c        "/pause"           21 hours ago      Up 21 hours       k8s_POD_co
redns-5644d7b6d9...  41a286d8f479        "/pause"           21 hours ago      Up 21 hours       k8s_POD_co

```

Apache Tomcat/8.5.41

localhost:8080

Home Documentation Configuration Examples Wiki Mailing Lists Find Help

Apache Tomcat/8.5.41

If you're seeing this, you've successfully installed Tomcat. Congratulations!

 Recommended Reading:

- [Security Considerations HOW-TO](#)
- [Manager Application HOW-TO](#)
- [Clustering/Session Replication HOW-TO](#)

[Server Status](#)

[Manager App](#)

[Host Manager](#)

Developer Quick Start

Tomcat Setup	Realms & AAA	Examples	Servlet Specifications
First Web Application	JDBC DataSources		Tomcat Versions

Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in: [\\$CATALINA_HOME/conf/tomcat-users.xml](#)

In Tomcat 8.5 access to the manager application is split between different users. [Read more...](#)

[Release Notes](#)

Documentation

[Tomcat 8.5 Documentation](#)

[Tomcat 8.5 Configuration](#)

[Tomcat Wiki](#)

Find additional important configuration information in: [\\$CATALINA_HOME/RUNNING.txt](#)

Getting Help

FAQ and Mailing Lists

The following mailing lists are available:

tomcat-announce	Important announcements, releases, security vulnerability notifications. (Low volume).
tomcat-users	User support and discussion
tomcat-user	

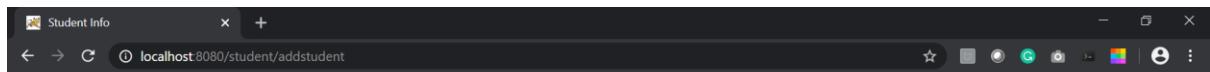


Welcome to Student Info Application

[Test message](#)

[Add Student](#)

[Show Students](#)



Add Student Information

First Name:

Last Name:

Age:

Email:

Course:

[Add Student](#)

[Home](#)



Student Information

Student Id: 2

First Name: Pjay

Last Name: K

Age: 22

Email: pjay@abc.com

Course: Leadership

[Home](#)



Students

Id	First Name	Last Name	Age	Email	Course	Edit/Delete
1	Vijay	K	28	k.vj@abc.com	Cloud, Java, IoT	Edit Delete
2	Pjay	K	22	pjay@abc.com	Leadership	Edit Delete

[Home](#)

The screenshot shows a browser window with the URL docs.docker.com/engine/reference/commandline/export/. The page is titled "Reference" and displays the "Command-line reference" section for the Docker CLI. The left sidebar lists various Docker commands. The main content area shows the "docker export" command with its options and examples. A sidebar on the right provides links for editing the page, requesting changes, and navigating related topics like "Parent command".

Command-line reference

- Docker CLI (docker)
- Docker run reference
- Use the Docker command line
- docker (base command)
- docker app
- docker attach
- docker build
- docker builder
- docker buildx
- docker checkpoint
- docker cluster
- docker commit
- docker config
- docker container

docker export

Name, shorthand	Default	Description
<code>--output , -o</code>		Write to a file, instead of STDOUT

Examples

Each of these commands has the same result.

```
$ docker export red_panda > latest.tar
```

```
$ docker export --output="latest.tar" red_panda
```

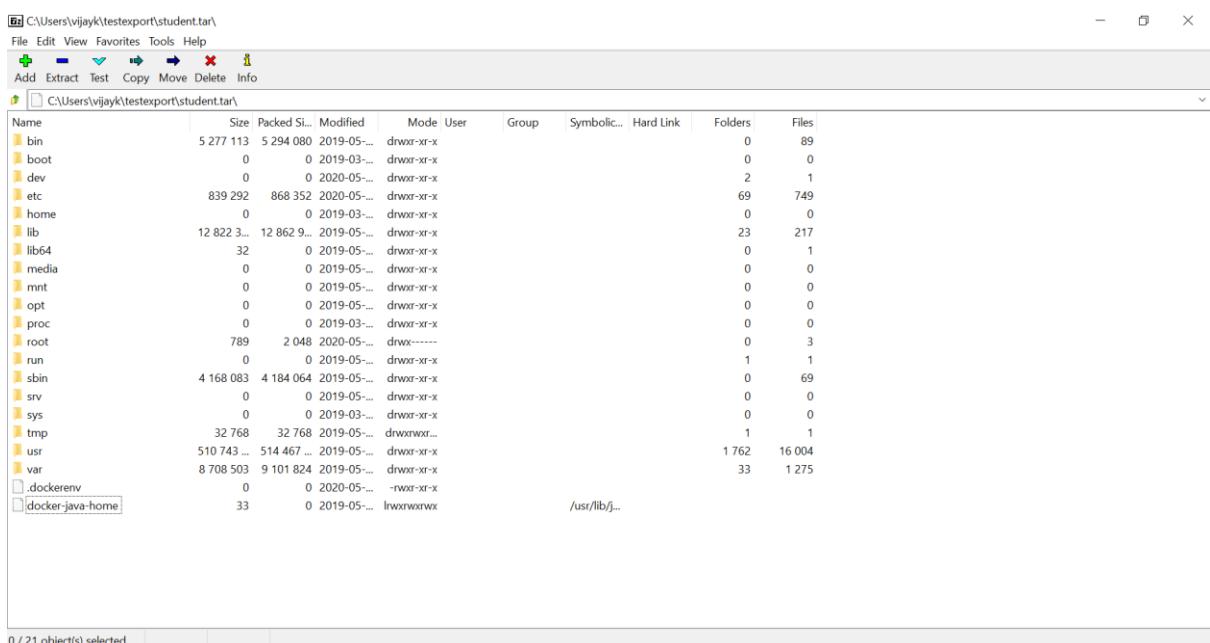
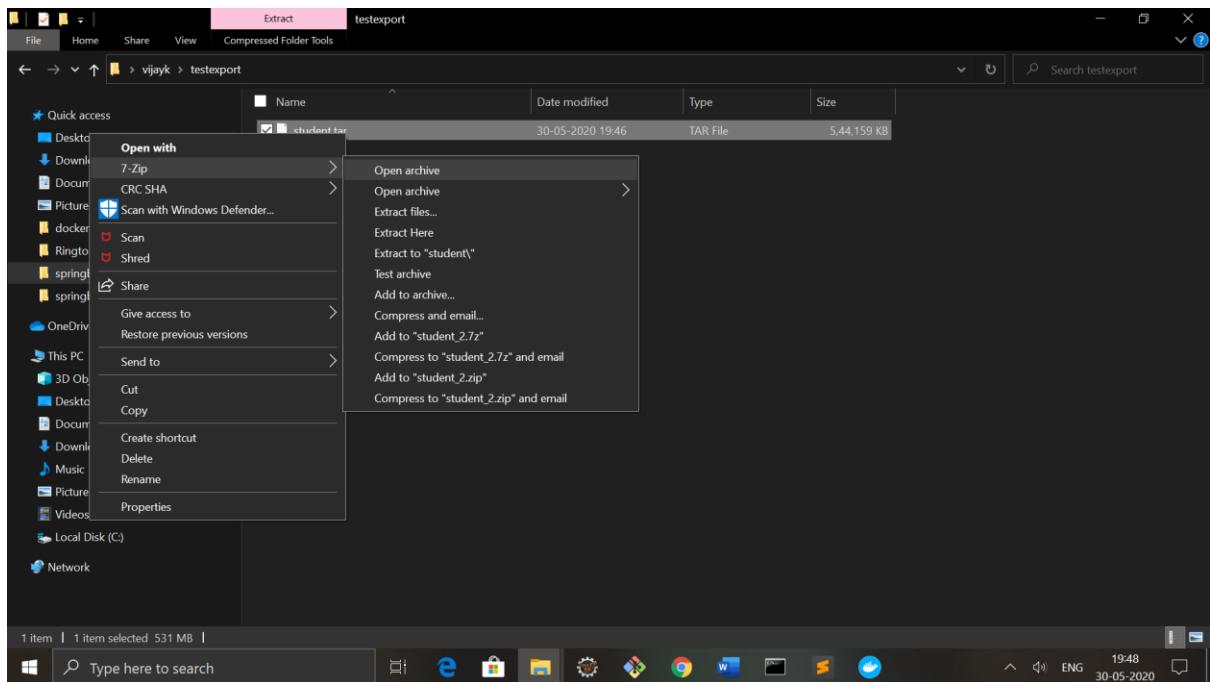
Parent command

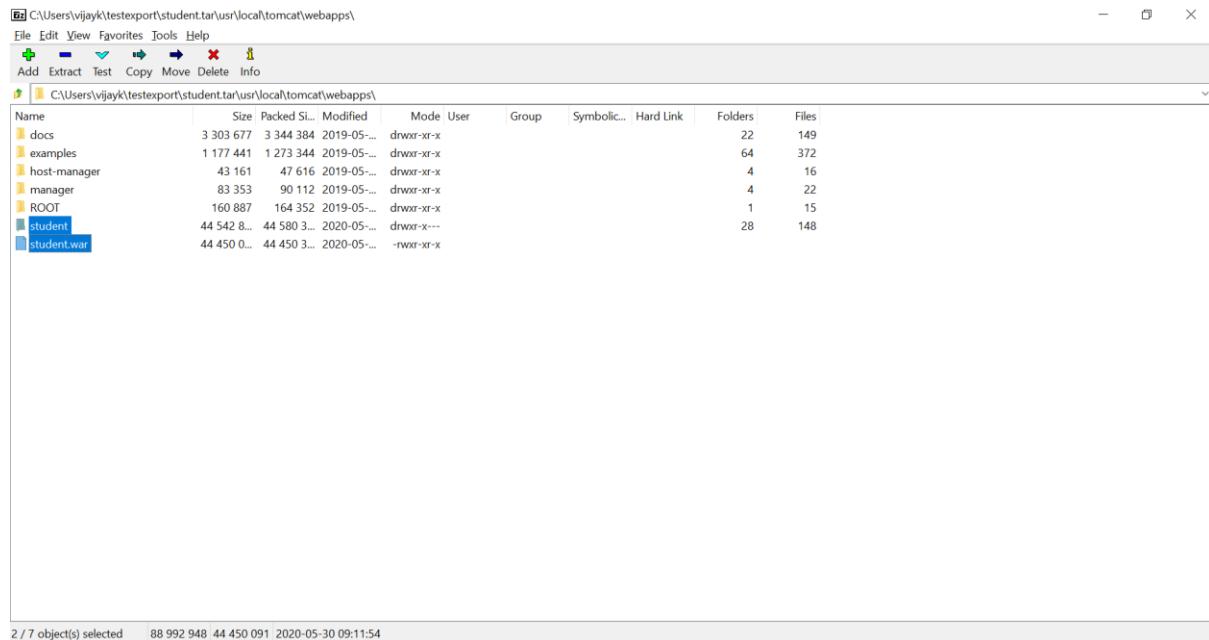
Command	Description
docker	The base command for the Docker CLI.

The screenshot shows a terminal window with the following session:

```
MINGW64:/c/Users/vijayk/testexport
$ pwd
/c/Users/vijayk/testexport
vijayk@DESKTOP-0MSLGCQ MINGW64 ~/testexport
$ docker export f0af4a9a1e3c > student.tar
vijayk@DESKTOP-0MSLGCQ MINGW64 ~/testexport
$ ls -
total 544160
-rw-r--r-- 1 vijayk 197121 557218816 May 30 19:46 student.tar
vijayk@DESKTOP-0MSLGCQ MINGW64 ~/testexport
$ |
```

docker export f0af4a9a1e3c > student.tar





```
Select Command Prompt

Export a container's filesystem as a tar archive

Options:
  -o, --output string  Write to a file, instead of STDOUT

C:\Users\vijayk\git\docker-samples\java-helloworld>docker stop f0af4a9a1e3c
f0af4a9a1e3c

C:\Users\vijayk\git\docker-samples\java-helloworld>docker push konduruvijaykumar/springboot-mvc-studentinfo:v1.0
The push refers to repository [docker.io/konduruvijaykumar/springboot-mvc-studentinfo]
5ab8d4dcce0962: Pushed
f24dd8b358bb01: Mounted from library/tomcat
c8bcc49b9925: Mounted from library/tomcat
f0e1731fd286: Mounted from library/tomcat
2b6c38ff9317: Mounted from library/tomcat
d38f3d5a39fb: Mounted from library/tomcat
fe00061c1c64c: Mounted from library/tomcat
7d63f87777ebf: Mounted from library/tomcat
1b958b5b53b256: Pushed
2c719774c1e1: Pushed
ec62f19b93aa: Pushed
f94641f1fe1f: Mounted from library/tomcat
v1.0: digest: sha256:affa2884b73f4a899b108adf69fe63c7e5742298e8c98afa3f5f0263a9f6f1cb size: 2838

C:\Users\vijayk\git\docker-samples\java-helloworld>docker run konduruvijaykumar/docker-java-helloworld
Unable to find image 'konduruvijaykumar/docker-java-helloworld:latest' locally
latest: Pulling from konduruvijaykumar/docker-java-helloworld
df559435c037: Pull complete
43844d94c8b8: Pull complete
23546bf564a7: Pull complete
1ee89a6a63ca: Pull complete
a61ffccad3b: Pull complete
07a87c1b1255: Pull complete
7d339b597024: Pull complete
ef626dafe944c: Pull complete
Digest: sha256:d5be4d12cefdb8c78f9d14a65c6e8ff32b3e7ba60effd6c7364caee49d40f8b7
Status: Downloaded newer image for konduruvijaykumar/docker-java-helloworld:latest
Hello! Welcome to Docker World

C:\Users\vijayk\git\docker-samples\java-helloworld>
```

```

MINGW64:/c/Users/vijayk/testexport
2020-05-30 14:21:25.677 INFO 1 --- [textShutdownHook] com.zaxxer.hikari.HikariDataSource      : HikariPool-1 - Shutdown initiated...
2020-05-30 14:21:25.775 WARNING [localhost-startStop-2] org.apache.catalina.loader.WebappClassLoaderBase.clearReferencesJdbc The web application [student] registered the JDBC driver [org.h2.Driver] but failed to unregister it when the web application was stopped. To prevent a memory leak, the JDBC Driver has been forcibly unregistered.
30-May-2020 14:21:25.795 INFO [thread-6] org.apache.coyote.AbstractProtocol.stop Stopping ProtocolHandler ["http-nio-8080"]
30-May-2020 14:21:25.797 INFO [thread-6] org.apache.coyote.AbstractProtocol.stop Stopping ProtocolHandler ["http-nio-8080"]
30-May-2020 14:21:25.801 INFO [thread-6] org.apache.coyote.AbstractProtocol.destroy Destroying ProtocolHandler ["http-nio-8080"]
30-May-2020 14:21:25.801 INFO [thread-6] org.apache.coyote.AbstractProtocol.destroy Destroying ProtocolHandler ["ajp-nio-8009"]

vijayk@DESKTOP-0HSLGCQ MINGW64 ~/testexport
$ docker images
REPOSITORY          TAG      IMAGE ID      CREATED       SIZE
konduruvijaykumar/springboot-mvc-studentinfo   v1.0        092291a0999b    11 hours ago  507MB
konduruvijaykumar/springboot-studentinfo        v1.0-swagger  ef627acde7c     12 hours ago  313MB
konduruvijaykumar/springboot-studentinfo        v1.0        c566029cfc1     12 hours ago  313MB
konduruvijaykumar/java-helloworld              v2.0        d158e362c5f7    13 hours ago  510MB
konduruvijaykumar/java-helloworld              v1.0        27af24a0e78c    13 hours ago  510MB
java-helloworld                               latest      4aaef4ff1ae93    11 days ago   510MB
openjdk                                         8-jre      1c5f6cd937b5    2 weeks ago   265MB
openjdk                                         8           1077d3b5b882    2 weeks ago   510MB
kubernetes/dashboard                           v2.0.0      8b32422733b3    5 weeks ago   222MB
kubernetes/metrics-scrapers                  v1.0.4      86262685d9ab    2 months ago   36.9MB
docker/desktop-storage-provisioner          v1.1        e704287ce753    2 months ago   41.8MB
docker/desktop-storage-provisioner          v1.0        605a0f68c7d0    2 months ago   33.1MB
docker/desktop-controller                   v1.0        750d6553a1      2 months ago   50.4MB
docker/desktop-kubernetes                  kubernetes-v1.16.5-cni-v0.7.5-critools-v1.15.0  a86647f0b376    4 months ago   279MB
k8s.gcr.io/kube-controller-manager          v1.16.5      441835dd2301    4 months ago   15.1MB
k8s.gcr.io/kube-apiserver                  v1.16.5      fc838b21afbb    4 months ago   159MB
k8s.gcr.io/kube-scheduler                  v1.16.5      b4d073a9efda    4 months ago   83.5MB
k8s.gcr.io/kube-proxy                      v1.16.5      0ee1b8a3ebe0    4 months ago   82.7MB
docker/kube-compose-controller            v0.4.25-alpha1 129151cdcf35f    7 months ago   35.6MB
docker/kube-compose-api-server             v0.4.25-alpha1 989749268895    7 months ago   50.7MB
docker/kube-compose-installer             v0.4.25-alpha1 2a71ac5a1359    7 months ago   42.3MB
k8s.gcr.io/kube-controller-manager          v1.16.5      15901531a159    7 months ago   15.8MB
k8s.gcr.io/kube-scheduler                  v1.15.5      e534b1952a0d    7 months ago   207MB
k8s.gcr.io/kube-proxy                      v1.15.5      cbdf7f1feec99   7 months ago   82.4MB
k8s.gcr.io/kube-scheduler                  v1.15.5      fab2d2ed59dd    7 months ago   81.1MB
k8s.gcr.io/etcdd                          3.3.15-0     b2756210eab     8 months ago   247MB
k8s.gcr.io/coredns                         1.6.2        bf261d157914    9 months ago   44.1MB
docker/kube-compose-controller            v0.4.23       a8c3d67a58e7    12 months ago  35.3MB
docker/kube-compose-api-server             v0.4.23       f3591b2cb223   12 months ago  49.9MB
tomcat                                     8-jre8      3639174793ba    12 months ago  463MB
k8s.gcr.io/coredns                         1.6.1        eb53548c180     16 months ago  40.3MB
k8s.gcr.io/etcdd                          3.3.10       2c4ad6a414f     18 months ago  238MB
k8s.gcr.io/pause                           3.1         ds86eb6a6cal   2 years ago   742KB
konduruvijaykumar/docker-java-helloworld  latest      9e0094f57fea    3 years ago   310MB

```

The screenshot shows the Docker Hub interface with the search bar set to 'konduruvijaykumar'. Five repositories are listed:

- konduruvijaykumar / springboot-mvc-studentinfo**: Updated 15 minutes ago, 0 stars, 1 download, PUBLIC.
- konduruvijaykumar / springboot-studentinfo**: Updated 11 hours ago, 0 stars, 6 downloads, PUBLIC.
- konduruvijaykumar / java-helloworld**: Updated 13 hours ago, 0 stars, 10 downloads, PUBLIC.
- konduruvijaykumar / sap-api**: Updated a year ago, 0 stars, 30 downloads, PUBLIC.
- konduruvijaykumar / kubernetes-userproxy**: Updated a year ago, 0 stars, 74 downloads, PUBLIC.

A link to the repository page for 'springboot-mvc-studentinfo' is visible at the bottom: <https://hub.docker.com/repository/docker/konduruvijaykumar/springboot-mvc-studentinfo>.

docker push konduruvijaykumar/springboot-mvc-studentinfo:v1.0

Docker Hub interface showing repository tags for 'konduruvijaykumar / docker-java-helloworld'. The 'Tags' tab is selected. Two tags are listed:

- latest**: Last updated 3 years ago by konduruvijaykumar. Digest: d5be4d12cefd. OS/ARCH: linux/amd64. Compressed Size: 120.87 MB.
- 1.0**: Last updated 3 years ago by konduruvijaykumar. Digest: 01cb4a747f22. OS/ARCH: linux/amd64. Compressed Size: 120.87 MB.

To push with latest tagname, just don't add tag or avoid using tag along with :

Example below:

```
docker build -t konduruvijaykumar/springboot-mvc-studentinfo
```

This builds with latest tag i.e.,

```
konduruvijaykumar/springboot-mvc-studentinfo:latest
```

Then when you run docker pull or run without tag name then **latest** is automatically pulled instead of any specific tagname.

Examples: (both have same result with or without tag)

```
docker pull konduruvijaykumar/springboot-mvc-studentinfo
```

```
docker pull konduruvijaykumar/springboot-mvc-studentinfo:latest
```

```
docker run konduruvijaykumar/springboot-mvc-studentinfo
```

```
docker run konduruvijaykumar/springboot-mvc-studentinfo:latest
```