Docker file

FROM node:alpine

FROM node:alpine

COPY ./hello.js doc2b/hello.js

CMD ["node", "doc2b/hello.js"]

Terminal

D:\doc2b>docker build -t doc2b -f dockerfile .

[+] Building 20.7s (8/8) FINISHED
docker:desktop-linux

 => [internal] load build definition from dockerfile
0.1s

 => => transferring dockerfile: 137B
0.1s

 => [internal] load metadata for docker.io/library/node:alpine
2.8s

 => [auth] library/node:pull token for registry-1.docker.io
0.0s

 => [internal] load .dockerignore
0.1s

 => => transferring context: 2B
0.0s

 => [internal] load build context
0.1s

 => => transferring context: 58B
0.1s

 => [stage-1 1/2] FROM
docker.io/library/node:alpine@sha256:786fac5008e681b47755c420b22c7dd3f773b35d7b9f2091165
bb26699d0bfa2   16.8s

 => => resolve
docker.io/library/node:alpine@sha256:786fac5008e681b47755c420b22c7dd3f773b35d7b9f2091165
bb26699d0bfa2   0.1s

 => => sha256:12b0faa074029b274111b1291643538e4bdae9ac25d700ac6a8546ee90516673
1.26MB / 1.26MB   1.0s

=> => sha256:bb09cc23c5970c8dfd7313cc629c48c345c0cdcf773d8ecc6a1eb557dcee1ef2 448B /
448B   0.8s

 => => sha256:fb6b0c8830672d14b8acec1512224ac98961e16cb17e4a72a709d15b7d041b70
52.75MB / 52.75MB   12.5s

 => => sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870 3.64MB
/ 3.64MB   6.1s

 => => extracting
sha256:f18232174bc91741fdf3da96d85011092101a032a93a388b79e99e69c2d5c870
0.5s

 => => extracting
sha256:fb6b0c8830672d14b8acec1512224ac98961e16cb17e4a72a709d15b7d041b70
3.8s

 => => extracting
sha256:12b0faa074029b274111b1291643538e4bdae9ac25d700ac6a8546ee90516673
0.1s

 => => extracting sha256:bb09cc23c5970c8dfd7313cc629c48c345c0cdcf773d8ecc6a1eb557dcee1ef2
0.0s

 => [stage-1 2/2] COPY ./hello.js doc2b/hello.js
0.2s

 => exporting to image
0.5s

 => => exporting layers
0.2s

 => => exporting manifest
sha256:70edf9e86f674d0ffbd612befec269584303577f20dd9d7650c55a3cf9a515a1
0.0s

 => => exporting config
sha256:889b393bf219871097ee83080f180e039a9cbce33c948437c251ba32c0c9bbac
0.0s

 => => exporting attestation manifest
sha256:ca49c9af36cb147f65282cca8f576701b41e761f284f09ba5472a2dad3652bf0
0.0s

 => => exporting manifest list
sha256:7beee6d9954dbff1bab758d4fe09b8a16a484a6c2245e40af08122e451dc090c
0.0s

 => => naming to docker.io/library/doc2b:latest
0.0s

 => => unpacking to docker.io/library/doc2b:latest
0.1s

View build details: docker-desktop://dashboard/build/desktop-linux/desktop-linux/esi79yk4pwv8vphcnw9gq4461

D:\doc2b>

Windows PowerShell ✕ + ⌄   — ☐ ✕

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Run 'docker image COMMAND --help' for more information on a command.
PS C:\Users\exam> docker images
REPOSITORY    TAG      IMAGE ID      CREATED       SIZE
openjdk       latest   71260f256d19  2 years ago   470MB
PS C:\Users\exam> docker run --name java -it -d openjdk
a85fa8cae35cd93104ca59cb9b5a2090d6b00f4907bac6371959ca83b196903f
PS C:\Users\exam> docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED          STATUS          PORTS     NAMES
a85fa8cae35c   openjdk   "jshell"    14 seconds ago   Up 12 seconds             java
PS C:\Users\exam> docker exec -it java jshell
|  Welcome to JShell -- Version 18.0.2.1
|  For an introduction type: /help intro

jshell> System.out.println("Hello World");
Hello World

jshell> int a = 30;
a ==> 30

jshell> int b = 12;
b ==> 12

jshell> System.out.println(a*b);
360

jshell> System.out.println(a+b);
42

jshell> /exit
|  Goodbye
PS C:\Users\exam> docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED          STATUS         PORTS     NAMES
a85fa8cae35c   openjdk   "jshell"    2 minutes ago    Up 2 minutes             java
PS C:\Users\exam> docker container rm a85fa8cae35c
Error response from daemon: You cannot remove a running container a85fa8cae35cd93104ca59cb9b5a2090d6b00f4907bac6371959ca83b196903f. Stop the contain
```

Windows PowerShell ✕ + ⌄   — ☐ ✕

```
jshell> System.out.println(a*b);
360

jshell> System.out.println(a+b);
42

jshell> /exit
|  Goodbye
PS C:\Users\exam> docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED          STATUS         PORTS     NAMES
a85fa8cae35c   openjdk   "jshell"    2 minutes ago    Up 2 minutes             java
PS C:\Users\exam> docker container rm a85fa8cae35c
Error response from daemon: You cannot remove a running container a85fa8cae35cd93104ca59cb9b5a2090d6b00f4907bac6371959ca83b196903f. Stop the contain
er before attempting removal or force remove
PS C:\Users\exam> docker stop a85fa8cae35c
a85fa8cae35c
PS C:\Users\exam> docker container rm a85fa8cae35c
a85fa8cae35c
PS C:\Users\exam> docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED    STATUS    PORTS     NAMES
PS C:\Users\exam> docker images
REPOSITORY    TAG      IMAGE ID      CREATED       SIZE
openjdk       latest   71260f256d19  2 years ago   470MB
PS C:\Users\exam> docker image prune
WARNING! This will remove all dangling images.
Are you sure you want to continue? [y/N] y
Total reclaimed space: 0B
PS C:\Users\exam> docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED    STATUS    PORTS     NAMES
PS C:\Users\exam> |
```

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Windows PowerShell                                                              □  ×
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Windows PowerShell
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PS C:\Users\exam> docker ps
CONTAINER ID   IMAGE     COMMAND    CREATED    STATUS     PORTS      NAMES
PS C:\Users\exam> docker pull openjdk
Using default tag: latest
latest: Pulling from library/openjdk
197c1adcd755: Pull complete
57b698b7af4b: Pull complete
95a27dbe0150: Pull complete
Digest: sha256:9b448de897d211c9e0ec635a485650aed6e28d4eca1efbc34940560a480b3f1f
Status: Downloaded newer image for openjdk:latest
docker.io/library/openjdk:latest
PS C:\Users\exam> docker image

Usage:  docker image COMMAND

Manage images

Commands:
  build      Build an image from a Dockerfile
  history    Show the history of an image
  import     Import the contents from a tarball to create a filesystem image
  inspect    Display detailed information on one or more images
  load       Load an image from a tar archive or STDIN
  ls         List images
  prune      Remove unused images
  pull       Pull an image or a repository from a registry
  push       Push an image or a repository to a registry
  rm         Remove one or more images
  save       Save one or more images to a tar archive (streamed to STDOUT by default)
  tag        Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
```