Krishna   
2b docker

C:\Users\exam>docker -v

Docker version 20.10.23, build 7155243

C:\Users\exam>docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Users\exam>docker pull openjdk

Using default tag: latest

latest: Pulling from library/openjdk

Digest: sha256:9b448de897d211c9e0ec635a485650aed6e28d4eca1efbc34940560a480b3f1f

Status: Image is up to date for openjdk:latest

docker.io/library/openjdk:latest

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

Run 'docker image COMMAND --help' for more information on a command.

C:\Users\exam>docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

python latest 36d17f72f4f3 6 weeks ago 1.02GB

prac2b latest 14c601fbe35e 12 months ago 141MB

docker latest d0e8899610ef 22 months ago 91MB

<none> <none> 4d4f8cd0ae73 22 months ago 91MB

<none> <none> 898416f029ae 22 months ago 91MB

<none> <none> c35a2b15ad12 22 months ago 91MB

<none> <none> 23ce972c349c 22 months ago 180MB

docker <none> de209b697962 22 months ago 324MB

openjdk latest 71260f256d19 2 years ago 470MB

C:\Users\exam>docker run --name JAVA -it -d openjdk

0c2bedb99d74a80ece791ed74f0fcda64c2a5ff7988cc02d1ba546a04067f97f

C:\Users\exam>docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

0c2bedb99d74 openjdk "jshell" 48 seconds ago Up 46 seconds JAVA

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");

HELLO

jshell> int a = 30

a ==> 30

jshell> int b = 12

b ==> 12

jshell> System.out.print(a\*b);

360

jshell> System.out.print(a+b);

42

jshell> docker ps

| created variable ps, however, it cannot be referenced until class docker is declared

jshell> /exit

| Goodbye

C:\Users\exam>docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

0c2bedb99d74 openjdk "jshell" 5 minutes ago Up 5 minutes JAVA

C:\Users\exam>docker container rm containerid 0c2bedb99d74

Error: No such container: containerid

Error response from daemon: You cannot remove a running container 0c2bedb99d74a80ece791ed74f0fcda64c2a5ff7988cc02d1ba546a04067f97f. Stop the container before attempting removal or force remove

C:\Users\exam>docker container rm 0c2bedb99d74

Error response from daemon: You cannot remove a running container 0c2bedb99d74a80ece791ed74f0fcda64c2a5ff7988cc02d1ba546a04067f97f. Stop the container before attempting removal or force remove

C:\Users\exam>docker stop 0c2bedb99d74

0c2bedb99d74

C:\Users\exam>docker container rm 0c2bedb99d74

0c2bedb99d74

C:\Users\exam>docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

C:\Users\exam>docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

python latest 36d17f72f4f3 6 weeks ago 1.02GB

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docker latest d0e8899610ef 22 months ago 91MB

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<none> <none> 23ce972c349c 22 months ago 180MB

docker <none> de209b697962 22 months ago 324MB

openjdk latest 71260f256d19 2 years ago 470MB

C:\Users\exam>docker image prune

WARNING! This will remove all dangling images.

Are you sure you want to continue? [y/N] y

Deleted Images:

deleted: sha256:23ce972c349c8d446870e9b171b53863fb542b1921ba037666dc8ef18ef16eec

Total reclaimed space: 0B

C:\Users\exam>docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

WSL error :

Windows PowerShell

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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\exam> WSL -l -o

The following is a list of valid distributions that can be installed.

Install using 'wsl.exe --install <Distro>'.

NAME FRIENDLY NAME

AlmaLinux-8 AlmaLinux OS 8

AlmaLinux-9 AlmaLinux OS 9

AlmaLinux-Kitten-10 AlmaLinux OS Kitten 10

Debian Debian GNU/Linux

SUSE-Linux-Enterprise-15-SP5 SUSE Linux Enterprise 15 SP5

SUSE-Linux-Enterprise-15-SP6 SUSE Linux Enterprise 15 SP6

Ubuntu Ubuntu

Ubuntu-24.04 Ubuntu 24.04 LTS

kali-linux Kali Linux Rolling

openSUSE-Tumbleweed openSUSE Tumbleweed

openSUSE-Leap-15.6 openSUSE Leap 15.6

Ubuntu-18.04 Ubuntu 18.04 LTS

Ubuntu-20.04 Ubuntu 20.04 LTS

Ubuntu-22.04 Ubuntu 22.04 LTS

OracleLinux\_7\_9 Oracle Linux 7.9

OracleLinux\_8\_7 Oracle Linux 8.7

OracleLinux\_9\_1 Oracle Linux 9.1

PS C:\Users\exam> WSL --install -d Ubuntu-22.04

Ubuntu 22.04 LTS is already installed.

Launching Ubuntu 22.04 LTS...

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo\_root" for details.

Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.167.4-microsoft-standard-WSL2 x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

This message is shown once a day. To disable it please create the

/home/exam/.hushlogin file.

exam@IOE-ITLAB2-129:~$

sonali :  
  
Microsoft Windows [Version 10.0.22631.4751]

(c) Microsoft Corporation. All rights reserved.

C:\Users\exam>docker -v

Docker version 24.0.6, build ed223bc

C:\Users\exam>docker pull openjdk

Using default tag: latest

latest: Pulling from library/openjdk

Digest: sha256: 9b448de897d211c9e0ec635a485650aed6e28d4ecalefbc34940560a480b3f1f

Status: Image is up to date for openjdk: latest

docker.io/library/openjdk: latest

What's Next?

1. Sign in to your Docker account > docker login

2. View a summary of image vulnerabilities and recommendations > docker scout quickview openjdk

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 - Download an image from a registry

push - Upload an image to a registry

rm - Remove one or more images

save - Save one or more images to a tar archive (streamed to STDOUT by default)

Run 'docker image COMMAND -- help' for more information on a command.

C:\Users\exam>docker images

C:\Users\exam>docker run -- name JAVA -it -d openjdk

90674dec6b007c10bd4534837371a08ba140f3409b9a462d776898217ed578fc

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=6;

b == > 6

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

180

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

36

jshell> docker ps

created variable ps, however, it cannot be referenced until class docker is declared

jshell> /exit

Goodbye

C:\Users\exam>docker ps

C:\Users\exam>docker stop 90674dec6b004d

C:\Users\exam>docker stop 90674dec6b00

90674dec6b00

C:\Users\exam>docker images

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

important commands:  
wsl --update

docker -v

docker image

docker images

docker pull openjdk

docker ps

docker run --namejava-it-d openjdk

docker --help

docker run --name java-it-d openjdk

docker run --name java1 -it -d openjdk

docker ps

docker exec -it java1 jshell

docker ps

docker container rm aab3579be4df

docker stop aab3579be4df

docker container rm aab3579be4df

docker ps

docker images  
docker exec -it java1 jshell