

Name: **Arpita Dash**

## **Docker Commands**

1. docker --version

```
C:\Users\verizon\Desktop\hellodocker>docker --version
Docker version 27.1.1, build 6312585
```

2. docker info

```
C:\Users\verizon\Desktop\hellodocker>docker info
Client:
Version:      27.1.1
Context:      desktop-linux
Debug Mode:   false
Plugins:
buildx: Docker Buildx (Docker Inc.)
  Version:  v0.16.1-desktop.1
  Path:      C:\Program Files\Docker\cli-plugins\docker-buildx.exe
compose: Docker Compose (Docker Inc.)
  Version:  v2.29.1-desktop.1
  Path:      C:\Program Files\Docker\cli-plugins\docker-compose.exe
debug: Get a shell into any image or container (Docker Inc.)
  Version:  0.0.34
  Path:      C:\Program Files\Docker\cli-plugins\docker-debug.exe
desktop: Docker Desktop commands (Alpha) (Docker Inc.)
  Version:  v0.0.14
  Path:      C:\Program Files\Docker\cli-plugins\docker-desktop.exe
dev: Docker Dev Environments (Docker Inc.)
  Version:  v0.1.2
  Path:      C:\Program Files\Docker\cli-plugins\docker-dev.exe
extension: Manages Docker extensions (Docker Inc.)
  Version:  v0.2.25
  Path:      C:\Program Files\Docker\cli-plugins\docker-extension.exe
feedback: Provide feedback, right in your terminal! (Docker Inc.)
  Version:  v1.0.5
  Path:      C:\Program Files\Docker\cli-plugins\docker-feedback.exe
init: Creates Docker-related starter files for your project (Docker Inc.)
  Version:  v1.3.0
```

3. docker build . -f Dockerfile.txt

```
C:\Users\verizon\Desktop\hellodocker>docker build . -f Dockerfile.txt
[+] Building 3.2s (10/10) FINISHED                                docker:desk
=> [internal] load build definition from Dockerfile.txt
=> => transferring dockerfile: 167B
=> [internal] load metadata for docker.io/library/openjdk:17-jdk-slim
=> [auth] library/openjdk:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 134B
=> CACHED [1/4] FROM docker.io/library/openjdk:17-jdk-slim@sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0
=> [2/4] COPY . /var/www/java
=> [3/4] WORKDIR /var/www/java
=> [4/4] RUN javac HelloDocker.java
=> exporting to image
=> => exporting layers
=> => writing image sha256:56543253fc0c5e6dfa2bdccf00916f15b90c1ac01d67b8a103a6d622246e4e0b

What's next:
  View a summary of image vulnerabilities and recommendations → docker scout quickview
```

#### 4. docker build -t test4 -f Dockerfile.txt .

```
C:\Users\verizon\Desktop\hellodocker>docker build -t test4 -f Dockerfile.txt .
[+] Building 1.8s (10/10) FINISHED                                docker:desk
=> [internal] load build definition from Dockerfile.txt
=> => transferring dockerfile: 167B
=> [internal] load metadata for docker.io/library/openjdk:17-jdk-slim
=> [auth] library/openjdk:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 130B
=> [1/4] FROM docker.io/library/openjdk:17-jdk-slim@sha256:aaa3b3cb27e3e520b8f116863d0580c438ed55ecfa0bc126b41
=> CACHED [2/4] COPY . /var/www/java
=> CACHED [3/4] WORKDIR /var/www/java
=> CACHED [4/4] RUN javac HelloDocker.java
=> exporting to image
=> => exporting layers
=> => writing image sha256:56543253fc0c5e6dfa2bdccf00916f15b90c1ac01d67b8a103a6d622246e4e0b
=> => naming to docker.io/library/test4

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```

#### 5. docker images

```
C:\Users\verizon\Desktop\hellodocker>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
test4	latest	56543253fc0c	15 minutes ago	408MB
hello-docker	latest	8fe0c8d3ab41	16 hours ago	408MB
resource30/hello-docker	latest	8fe0c8d3ab41	16 hours ago	408MB

#### 6. docker ps

```
C:\Users\verizon\Desktop\hellodocker>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
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#### 7. docker ps -a

```
C:\Users\verizon\Desktop\hellodocker>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
05b15802c6e9	hello-docker	"java HelloDocker"	16 hours ago	Exited (0)	16 hours ago	objectiv

#### 8. docker run test4

```
C:\Users\verizon\Desktop\hellodocker>docker run test4
Hello Docker
```

9. docker login

```
C:\Users\verizon\Desktop\hellodocker>docker login
Authenticating with existing credentials...
Login Succeeded
```

10. docker tag test4 resource30/test4:latest

```
C:\Users\verizon\Desktop\hellodocker>docker tag test4 resource30/test4:lat
```

11. docker push resource30/test4:latest

```
C:\Users\verizon\Desktop\hellodocker>docker push resource30/test4:latest
The push refers to repository [docker.io/resource30/test4]
2d8466011b45: Pushed
5f70bf18a086: Mounted from resource30/hello-docker
f8c3afe6152d: Pushed
6be690267e47: Mounted from resource30/hello-docker
13a34b6fff78: Mounted from resource30/hello-docker
9c1b6dd6c1e6: Mounted from resource30/hello-docker
latest: digest: sha256:148c83dcc4109faa3e3dd80ce66b6771b6cb39954c9fcaa93dfab3ec4ee5ea47 size: 148c83dcc4109faa3e3dd80ce66b6771b6cb39954c9fcaa93dfab3ec4ee5ea47
```

resource30 / test4

Contains: Image • Last pushed: 17 minutes ago

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12. docker rmi -f resource30/hello-docker

```
C:\Users\verizon\Desktop\hellodocker>docker rmi -f resource30/hello-docker
Untagged: resource30/hello-docker:latest
Untagged: resource30/hello-docker@sha256:cc09fb4e55d253dd592ddca38a498509483009865af1bd5485c76e79643de6
Deleted: sha256:8fe0c8d3ab415e86dad4fb459667ad5cdfd8a52054602d798cebac35d87ef00

C:\Users\verizon\Desktop\hellodocker>docker images
REPOSITORY          TAG         IMAGE ID      CREATED        SIZE
test4                latest     56543253fc0c  33 minutes ago  408MB
resource30/test4     latest     56543253fc0c  33 minutes ago  408MB
resource30/test      latest     56543253fc0c  33 minutes ago  408MB
```

