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Batch-2

Week 4 Test

Git Command executed

1.docker --version

2.docker images

3.docker ps

4.docker ps -a

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22631.4037]
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C:\Users\verizon\Desktop\mockdocker>docker --version
Docker version 27.1.1, build 6312585

C:\Users\verizon\Desktop\mockdocker>docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
cust-doc             latest          00f26fbf5442   15 hours ago   424MB
hello-doc2           latest          7cdbfb9c1f6d   15 hours ago   424MB
hello-doc            latest          7cdbfb9c1f6d   15 hours ago   424MB
resource30/hello-doc latest          7cdbfb9c1f6d   15 hours ago   424MB

C:\Users\verizon\Desktop\mockdocker>docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED    STATUS    PORTS    NAMES
C:\Users\verizon\Desktop\mockdocker>docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED    STATUS    PORTS    NAMES
41268d7faea4   hello-doc  "java HelloDocker"       15 hours ago   Exited (0) 15 hours ago   peaceful_blackwell

C:\Users\verizon\Desktop\mockdocker>javac Student.java
```

java file compiled

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\verizon\Desktop\mockdocker>javac Student.java

C:\Users\verizon\Desktop\mockdocker>java Student
Enter your roll no:
1
Enter your name:
Preeti Maurya
Roll no: 1 Name: Preeti

C:\Users\verizon\Desktop\mockdocker>
```

5.docker build

```
C:\Users\verizon\Desktop\mockdocker>docker build . -f Dockerfile.txt
[+] Building 2.0s (9/9) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile.txt        0.0s
=> => transferring dockerfile: 160B                            0.0s
=> [internal] load metadata for docker.io/library/openjdk:11-jdk-slim 0.8s
=> [internal] load .dockerignore                               0.0s
=> => transferring context: 2B                                   0.0s
=> [internal] load build context                                0.0s
=> => transferring context: 225B                                  0.0s
=> CACHED [1/4] FROM docker.io/library/openjdk:11-jdk-slim@sha256:868a4f2151d38ba6a09870cec584346a5edc8e9b71fde2 0.0s
=> [2/4] COPY . /var/www/java                                  0.0s
=> [3/4] WORKDIR /var/www/java                                0.0s
=> [4/4] RUN javac Student.java                                1.0s
=> exporting to image                                           0.1s
=> => exporting layers                                           0.1s
=> => writing image sha256:d15ecc9fcc18389277b89844072b339fece29819da82d0ff5a0fb9e6f825b56a 0.0s
```

What's next:

View a summary of image vulnerabilities and recommendations → [docker scout quickview](#)

C:\Users\verizon\Desktop\mockdocker>

6.docker build

```
C:\Users\verizon\Desktop\mockdocker>docker build -t stud-doc -f Dockerfile.txt .
[+] Building 1.6s (10/10) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile.txt        0.0s
=> => transferring dockerfile: 160B                            0.0s
=> [internal] load metadata for docker.io/library/openjdk:11-jdk-slim 1.5s
=> [auth] library/openjdk:pull token for registry-1.docker.io 0.0s
=> [internal] load .dockerignore                               0.0s
=> => transferring context: 2B                                   0.0s
=> [internal] load build context                                0.0s
=> => transferring context: 100B                                  0.0s
=> [1/4] FROM docker.io/library/openjdk:11-jdk-slim@sha256:868a4f2151d38ba6a09870cec584346a5edc8e9b71fde275eb2e0 0.0s
=> CACHED [2/4] COPY . /var/www/java                            0.0s
=> CACHED [3/4] WORKDIR /var/www/java                            0.0s
=> CACHED [4/4] RUN javac Student.java                            0.0s
=> exporting to image                                           0.0s
=> => exporting layers                                           0.0s
=> => writing image sha256:d15ecc9fcc18389277b89844072b339fece29819da82d0ff5a0fb9e6f825b56a 0.0s
=> => naming to docker.io/library/stud-doc                        0.0s
```

What's next:

View a summary of image vulnerabilities and recommendations → [docker scout quickview](#)

C:\Users\verizon\Desktop\mockdocker>

```
C:\Users\verizon\Desktop\mockdocker>docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
stud-doc             latest      d15ecc9fcc18  4 minutes ago 424MB
cust-doc             latest      00f26fbf5442 15 hours ago 424MB
hello-doc            latest      7cdbfb9c1f6d 15 hours ago 424MB
resource30/hello-doc2 latest      7cdbfb9c1f6d 15 hours ago 424MB
hello-doc2           latest      7cdbfb9c1f6d 15 hours ago 424MB
```

C:\Users\verizon\Desktop\mockdocker>

7.docker run

```

Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Users\verizon\Desktop\mockdocker>docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
mock                 latest         67266588faa2   2 minutes ago  424MB
stud-doc             latest         a216c5e437f6   12 minutes ago 424MB
<none>              <none>         d15ecc9fcc18   21 minutes ago 424MB
cust-doc            latest         00f26fbf5442   15 hours ago   424MB
hello-doc2          latest         7cdbfb9c1f6d   16 hours ago   424MB
hello-doc           latest         7cdbfb9c1f6d   16 hours ago   424MB
resource30/hello-doc2 latest         7cdbfb9c1f6d   16 hours ago   424MB

C:\Users\verizon\Desktop\mockdocker>docker run mock
Hello Docker

C:\Users\verizon\Desktop\mockdocker>

```

8.docker rmi

```

C:\Users\verizon\Desktop\mockdocker>docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
stud-doc1           latest         a216c5e437f6   About a minute ago 424MB
stud-doc            latest         d15ecc9fcc18   9 minutes ago   424MB
cust-doc            latest         00f26fbf5442   15 hours ago   424MB
hello-doc2          latest         7cdbfb9c1f6d   15 hours ago   424MB
hello-doc           latest         7cdbfb9c1f6d   15 hours ago   424MB
resource30/hello-doc2 latest         7cdbfb9c1f6d   15 hours ago   424MB

C:\Users\verizon\Desktop\mockdocker>docker rmi stud-doc1
Untagged: stud-doc1:latest
Deleted: sha256:a216c5e437f6ce129a53b4c70cd81f4b9dfd6ade75937a4636e928d5344e4dd3

C:\Users\verizon\Desktop\mockdocker>docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
stud-doc            latest         d15ecc9fcc18   10 minutes ago 424MB
cust-doc            latest         00f26fbf5442   15 hours ago   424MB
hello-doc2          latest         7cdbfb9c1f6d   15 hours ago   424MB
hello-doc           latest         7cdbfb9c1f6d   15 hours ago   424MB
resource30/hello-doc2 latest         7cdbfb9c1f6d   15 hours ago   424MB

```

9.docker login

```

C:\Users\verizon\Desktop\mockdocker>docker run mock
Hello Docker

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

C:\Users\verizon\Desktop\mockdocker>

```

10.docker history

```

C:\Users\verizon\Desktop\mockdocker>docker history hello-doc
IMAGE          CREATED          CREATED BY          SIZE      COMMENT
7cdbfb9c1f6d   16 hours ago    CMD ["java" "HelloDocker"]    0B        buildkit.dockerfile.v0
<missing>      16 hours ago    RUN /bin/sh -c javac HelloDocker.java # buil... 428B      buildkit.dockerfile.v0
<missing>      16 hours ago    WORKDIR /var/www/java          0B        buildkit.dockerfile.v0
<missing>      16 hours ago    COPY . /var/www/java # buildkit    675B      buildkit.dockerfile.v0
<missing>      2 years ago     /bin/sh -c #(nop) CMD ["jshell"]    0B
<missing>      2 years ago     /bin/sh -c set -eux; arch="$(dpkg --print-... 338MB
<missing>      2 years ago     /bin/sh -c #(nop) ENV JAVA_VERSION=11.0.16    0B
<missing>      2 years ago     /bin/sh -c #(nop) ENV LANG=C.UTF-8           0B
<missing>      2 years ago     /bin/sh -c #(nop) ENV PATH=/usr/local/openj... 0B
<missing>      2 years ago     /bin/sh -c { echo '#/bin/sh'; echo 'echo "$J... 27B
<missing>      2 years ago     /bin/sh -c #(nop) ENV JAVA_HOME=/usr/local/... 0B
<missing>      2 years ago     /bin/sh -c set -eux; apt-get update; apt-g... 4.88MB
<missing>      2 years ago     /bin/sh -c #(nop) CMD ["bash"]          0B
<missing>      2 years ago     /bin/sh -c #(nop) ADD file:0eae0dca665c7044b... 80.4MB

C:\Users\verizon\Desktop\mockdocker>

```

11. docker tag

12.docker push

```

C:\Users\verizon\Desktop\mockdocker>docker tag mock resource30/mock:latest

C:\Users\verizon\Desktop\mockdocker>docker push resource30/mock:latest
The push refers to repository [docker.io/resource30/mock]
b8b80acb2035: Pushed
5f70bf18a086: Mounted from resource30/hello-doc2
2ee98036ca4e: Pushed
eb6ee5b9581f: Mounted from resource30/hello-doc2
e3abdc2e9252: Mounted from resource30/hello-doc2
eafe6e032dbd: Mounted from resource30/hello-doc2
92a4e8a3140f: Mounted from resource30/hello-doc2
latest: digest: sha256:35066241e15c965209d68d87af4ba1296402bc730965ea266e0a474dab1d0d77 size: 1781

C:\Users\verizon\Desktop\mockdocker>

```