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Module 1 - Graded Quiz

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1.

Question 1

Which of the following are benefits of containers?

1 / 1 point

☐

Like virtual machines (VMs), containers virtualize your infrastructure.

☐

Each container is fully isolated and therefore secure.

☒

Containers provide a standardized way to package and ship software.

☐

Each container runs its own operating system (OS).

Correct

2.

Question 2

What is an image?

1 / 1 point

☐

An isolated process running on a local or remote host with its own file system and networking.

☒

A read-only file that contains the source code, libraries, and dependencies that are needed to run an application.

☐

A YAML file with key/value pairs specifying the attributes of a container.

☐

A text file that contains the commands and settings that will run a container and the apps running in that container.

Correct

3.

Question 3

In this sample Dockerfile, what does the FROM instruction do?

FROM ubuntu:18.04

COPY . /app

RUN make /app

CMD python /app/app.py

1 / 1 point

☐

It defines the virtualized host operating system on which the container will run.

☐

It defines the operating system on which the docker build command must be run.

☐

It defines the minimum version of the operating system for the docker build command to use.

☒

It defines the base image, which in this case is Ubuntu version 18.04.

Correct

4.

Question 4

What does the docker build command do?

1 / 1 point

☐

It creates a Docker app.

☐

It uses an image to create a container.

☐

It creates a Dockerfile.

☒

It uses a Dockerfile to create an image.

Correct

5.

Question 5

You can use the Docker COPY instruction to copy files from your local machine to an image.

1 / 1 point



True



False

Correct

6.

Question 6

What does the Docker CLI build command do?

1 / 1 point



It builds a new cluster.



It builds a microservice that will run in an image.



It builds a new container.



It builds a Dockerfile.



It builds an image from a Dockerfile.

Correct

7.

Question 7

Containers include a guest operating system in every instance.

1 / 1 point



True



False

Correct

8.

Question 8

In this sample docker build command, what does the -t option do?

```
docker build -t my-app:v1 .
```

1 / 1 point

☐

It indicates that the version “v1” of “my-app” should be used when building the image.

☐

It indicates that the files used to build the image are located in the current working directory.

☒

It gives the image the name “my-app” and the tag “v1”.

☐

It tags the current working directory as the target location for the image being built.

Correct

9.

Question 9

You use the docker push command to distribute an image to a registry.

1 / 1 point

☒

True

☐

False

Correct