Started on	Monday, 17 November 2025, 11:19 AM
State	Finished
Completed on	Monday, 17 November 2025, 11:24 AM
Time taken	5 mins 24 secs
Marks	12.00/12.00
Grade	**100.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

A container is:

- ○ a.   A hypervisor
- ○ b.   A type of network switch
- ◉ c.   A lightweight, isolated runtime environment that shares the host OS kernel
- ○ d.   A physical server in a data center

Question 2

Complete

Mark 1.00 out of 1.00

A key difference between Podman and Docker is that Podman:

- ○ a.   Requires a central daemon running as root
- ○ b.   Only runs on Windows
- ○ c.   Does not support images
- ◉ d.   Can run containers in a rootless mode without a central daemon

Question 3

Complete

Mark 1.00 out of 1.00

In a Dockerfile, which instruction is used to specify the base image?

- ○ a.   RUN
- ○ b.   COPY
- ◉ c.   FROM
- ○ d.   CMD

Question 4

Complete

Mark 1.00 out of 1.00

In AWS, ECS (Elastic Container Service) is primarily used for:

- ○ a.   Managing IAM users
- ◉ b.   Orchestrating and running containers at scale
- ○ c.   Serving DNS
- ○ d.   Managing relational databases

Question 5

Complete

Mark 1.00 out of 1.00

In Kubernetes, a Pod is:

- ◉ a.   A group of one or more containers that share network and storage
- ○ b.   Another name for a namespace
- ○ c.   The cluster's master node
- ○ d.   A built-in load balancer

Question 6

Complete

Mark 1.00 out of 1.00

In Kubernetes, a Service is used to:

- ◉ a.   Expose a set of Pods as a stable network endpoint
- ○ b.   Store application logs
- ○ c.   Define CPU and memory limits for a Pod
- ○ d.   Create container images

Question 7

Complete

Mark 1.00 out of 1.00

In Kubernetes, which object is typically used to manage scaling and rolling updates of stateless applications?

- ○ a.   PersistentVolume
- ◉ b.   Deployment
- ○ c.   ConfigMap
- ○ d.   Secret

Question 8

Complete

Mark 1.00 out of 1.00

To persist data beyond the lifecycle of a container, you typically use:

- ○ a. Environment variables
- ○ b. Container logs only
- ○ c. HTTP headers
- ⦿ d. Docker volumes or bind mounts

Question 9

Complete

Mark 1.00 out of 1.00

Which command is used in Docker to start a container from an image?

- ○ a. docker push
- ○ b. docker build
- ○ c. docker commit
- ⦿ d. docker run

Question 10

Complete

Mark 1.00 out of 1.00

Which of the following is a container registry where Docker images can be stored and pulled from?

- ⦿ a. Docker Hub
- ○ b. Git
- ○ c. Ansible Galaxy
- ○ d. Jenkins

Question 11

Complete

Mark 1.00 out of 1.00

Which scenario most strongly motivates using Kubernetes instead of running single Docker containers on individual servers?

- ○ a. A static HTML site on one machine
- ○ b. One developer running one container on their laptop
- ⦿ c. A production system running hundreds of containers requiring auto-scaling, self-healing, and rolling updates
- ○ d. A database running on bare metal

Question 12

Complete

Mark 1.00 out of 1.00

Which statement best describes a Docker image?

- ○ a. A running instance of an application
- ○ b. A source control repository
- ● c. A template that defines the filesystem and configuration for containers
- ○ d. A virtual machine with its own kernel