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**State** Finished

**Completed on** Thursday, 22 May 2025, 12:32 PM

**Time taken** 11 mins 13 secs

**Marks** 12.00/20.00

**Grade** 60.00 out of 100.00

### Question

## 1

Complete

Mark 0.00 out of 1.00

How can you see all running Docker containers?

Select one:

- ☒ a. **docker show**
- ☐ b. **docker list**
- ☐ c. **docker images**
- ☐ d. **docker ps**

### Question

## 2

Complete

Mark 1.00 out of 1.00

How do you scale a deployment to 5 replicas?

Select one:

- ☐ a. **kubectl deploy --scale=5**
- ☐ b. **kubectl resize myapp 5**
- ☒ c. **kubectl scale deployment myapp --replicas=5**
- ☐ d. **kubectl set replicas myapp=5**

### Question

## 3

Complete

Mark 0.00 out of 1.00

In a Deployment YAML, what does spec.template define?

Select one:

- ☒ a. **The build script**
- ☐ b. **The node selector**
- ☐ c. **The pod configuration**
- ☐ d. **A new container registry**

## Question

# 4

Complete

Mark 0.00 out of 1.00

What command copies files from host to container image in a Dockerfile?

Select one:

- ☐ a. Both COPY and ADD
- ☐ b. ADD
- ☒ c. COPY
- ☐ d. MOVE

## Question

# 5

Complete

Mark 1.00 out of 1.00

What does kubectl describe command do?

Select one:

- ☒ a. Shows detailed information about a resource
- ☐ b. Outputs YAML format
- ☐ c. Shows logs
- ☐ d. Deletes the pod

## Question

# 6

Complete

Mark 0.00 out of 1.00

What does the -d flag in docker run -d stand for?

Select one:

- ☒ a. Debug
- ☐ b. Delete
- ☐ c. Detach disk
- ☐ d. Daemon (background mode)

## Question

# 7

Complete

Mark 0.00 out of 1.00

What does the EXPOSE keyword in Dockerfile do?

Select one:

- ☒ a. Connects to external APIs
- ☐ b. Opens the file system
- ☐ c. Documents the port number
- ☐ d. Exposes sensitive data

## Question

# 8

Complete

Mark 1.00 out of 1.00

What does the `kubectl get pods` command do?

Select one:

- ☒ a. Lists all pods
- ☐ b. Modifies pods
- ☐ c. Creates pods
- ☐ d. Deletes all pods

## Question

# 9

Complete

Mark 1.00 out of 1.00

What is a Docker container?

Select one:

- ☐ a. A virtual machine
- ☒ b. A lightweight, standalone executable package
- ☐ c. A hardware virtualization platform
- ☐ d. A GitHub repository

## Question

# 10

Complete

Mark 0.00 out of 1.00

What is the default base image format in a Dockerfile?

Select one:

- ☐ a. WORKDIR
- ☐ b. ENV
- ☒ c. ENTRYPOINT
- ☐ d. FROM

## Question

# 11

Complete

Mark 1.00 out of 1.00

What is the default service type in Kubernetes?

Select one:

- ☒ a. ClusterIP
- ☐ b. ExternalName
- ☐ c. LoadBalancer
- ☐ d. NodePort

## Question 12

Complete

Mark 0.00 out of 1.00

What is the function of a Kubernetes Service?

Select one:

- ☐ a. Expose pods to the network
- ☐ b. Monitor logs
- ☒ c. Deploy apps
- ☐ d. Create containers

## Question 13

Complete

Mark 1.00 out of 1.00

What is the purpose of a ReplicaSet?

Select one:

- ☒ a. To ensure a specified number of pod replicas
- ☐ b. To store pod logs
- ☐ c. To monitor API calls
- ☐ d. To expose services

## Question 14

Complete

Mark 0.00 out of 1.00

What is the role of a Pod in Kubernetes?

Select one:

- ☐ a. To execute kubectl commands
- ☒ b. To store images
- ☐ c. The smallest deployable unit
- ☐ d. To control replication

## Question 15

Complete

Mark 1.00 out of 1.00

Which command deletes a Kubernetes resource from a YAML file?

Select one:

- ☐ a. kubectl purge -f
- ☒ b. kubectl delete -f
- ☐ c. kubectl remove
- ☐ d. kubectl drop -f

## Question 16

Complete

Mark 1.00 out of 1.00

Which command is used to build a Docker image?

Select one:

- ☐ a. **docker make**
- ☐ b. **docker run**
- ☐ c. **docker image**
- ☒ d. **docker build**

## Question 17

Complete

Mark 1.00 out of 1.00

Which Docker command stops a running container?

Select one:

- ☒ a. **docker stop**
- ☐ b. **docker delete**
- ☐ c. **docker kill**
- ☐ d. **docker pause**

## Question 18

Complete

Mark 1.00 out of 1.00

Which file defines the steps to build a Docker image?

Select one:

- ☐ a. **Makefile**
- ☐ b. **Containerfile**
- ☒ c. **Dockerfile**
- ☐ d. **Buildfile**

## Question 19

Complete

Mark 1.00 out of 1.00

Which file format is used for Kubernetes configuration?

Select one:

- ☐ a. **.ini**
- ☒ b. **.yaml or .yml**
- ☐ c. **.json only**
- ☐ d. **.conf**

## Question

# 20

Complete

Mark 1.00 out of  
1.00

Which of the following best explains docker-compose?

Select one:

- ☒ **a. Manages multiple containers as a single service**
- ☐ **b. Compiles Docker containers into a binary**
- ☐ **c. A version of Docker for Windows**
- ☐ **d. Combines Docker images**