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Time taken 4 mins 28 secs

Marks 9.00/10.00

Grade **90.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

In Docker networking, what does the bridge network mode do by default?

- a. Provides internet access only
- b. Shares IP address with host
- c. Isolates containers in a private subnet with internal IPs
- d. Connects containers directly to the host network

Question 2

Complete

Mark 1.00 out of 1.00

In Git, what happens when you run the following commands?

```
git fetch origin  
git rebase origin/main
```

- a. It clones a new repository
- b. It merges remote changes into your branch
- c. It discards local commits
- d. It reapplies your commits on top of the latest remote main branch

Question 3

Complete

Mark 1.00 out of 1.00

In Jenkins, which of the following statements about pipelines is TRUE?

- a. Scripted pipelines cannot use agents
- b. Jenkins pipelines cannot run parallel tasks
- c. Declarative pipelines use Jenkinsfile with structured syntax for stages and steps
- d. Declarative pipelines are written in Python

Question 4

Complete

Mark 1.00 out of 1.00

In Linux, what does this line from /etc/fstab mean?

UUID=1234-ABCD /data ext4 defaults 0 2

- a. Mount /data manually each boot
- b. Disable /data partition
- c. Mount only if root logs in
- d. Mount the device with given UUID as ext4 filesystem at /data automatically at startup

Question 5

Complete

Mark 1.00 out of 1.00

In Linux, what is the effect of the command below?

ps aux | grep java | awk '{print \$2}' | xargs kill -9

- a. Shows JVM logs
- b. Lists all Java processes
- c. Finds and forcefully kills all processes containing 'java'
- d. Restarts all Java services

Question 6

Complete

Mark 1.00 out of 1.00

What is the difference between COPY and ADD instructions in a Dockerfile?

- a. COPY requires internet access
- b. Both are identical
- c. ADD supports remote URLs and archives; COPY only copies local files
- d. COPY can unzip tar files; ADD cannot

Question 7

Complete

Mark 1.00 out of 1.00

What is the purpose of the .git/hooks/ directory in a Git repository?

- a. Contains custom scripts that run on specific Git events (e.g., commit, push)
- b. Caches large binary files
- c. Keeps previous commit history
- d. Stores Git configuration files

Question 8

Complete

Mark 1.00 out of 1.00

When you execute the command below, what happens? docker run -d -p 8080:80 nginx

- a. It exposes but does not run the container
- b. It runs nginx in detached mode, mapping container port 80 to host port 8080
- c. It builds a Docker image for nginx
- d. It runs nginx in the foreground on port 8080 inside the container

Question 9

Complete

Mark 0.00 out of 1.00

Which Jenkins plugin allows integration with GitHub webhooks for automatic build triggers?

- a. Git SCM Plugin
- b. GitHub Pull Request Builder
- c. GitHub Integration Plugin
- d. Git Parameter Plugin

Question 10

Complete

Mark 1.00 out of 1.00

Which Linux command can show how long a system has been running and the load average?

- a. df
- b. ps
- c. uptime
- d. top