

Started on	Monday, 10 November 2025, 12:54 PM
State	Finished
Completed on	Monday, 10 November 2025, 12:59 PM
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