Started on	Monday, 10 November 2025, 12:55 PM
State	Finished
Completed on	Monday, 10 November 2025, 1:00 PM
Time taken	5 mins 7 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.   Isolates containers in a private subnet with internal IPs
- ○ c.   Connects containers directly to the host network
- ○ d.   Shares IP address with host

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

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Question 3

Complete

Mark 1.00 out of 1.00

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

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

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

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.   Finds and forcefully kills all processes containing 'java'
- ○ c.   Lists all Java processes
- ○ 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 can unzip tar files; ADD cannot
- ● b.   ADD supports remote URLs and archives; COPY only copies local files
- ○ c.   Both are identical
- ○ d.   COPY requires internet access

Question 7

Complete

Mark 1.00 out of 1.00

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

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

○ c.   It runs nginx in the foreground on port 8080 inside the container

◉ d.   It runs nginx in detached mode, mapping container port 80 to host port 8080

Question 9

Complete

Mark 0.00 out of 1.00

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

○ a.   GitHub Pull Request Builder

○ b.   Git Parameter Plugin

◉ c.   GitHub Integration Plugin

○ d.   Git SCM 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.   uptime

○ b.   ps

○ c.   df

○ d.   top