

Started on	Tuesday, 11 November 2025, 1:09 PM
State	Finished
Completed on	Tuesday, 11 November 2025, 1:13 PM
Time taken	4 mins 28 secs
Marks	19.00/20.00
Grade	95.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

In Docker, what is the difference between ENTRYPPOINT and CMD?

- a. CMD overrides ENTRYPPOINT
- b. ENTRYPPOINT defines default executable; CMD provides default arguments
- c. ENTRYPPOINT runs after CMD
- d. Both are equivalent

Question 2

Complete

Mark 1.00 out of 1.00

In Git, what does the command git remote -v display?

- a. URLs of all remote repositories associated with the local repo
- b. Current remote tracking branch
- c. All remote branches
- d. Commits on the remote repo

Question 3

Complete

Mark 1.00 out of 1.00

In Jenkins, what does a "pipeline" represent?

- a. A manual job chain
- b. A single shell command
- c. A backup configuration
- d. A series of automated stages (build, test, deploy) defined as code

Question 4

Complete

Mark 1.00 out of 1.00

In Jenkins, what is the function of a "node"?

- a. A log collector
- b. A job configuration template
- c. A version control repository
- d. A machine (agent) where Jenkins executes builds

Question 5

Complete

Mark 1.00 out of 1.00

In Linux, what is the difference between soft link and hard link?

- a. Both reference the same inode
- b. Hard link references the same inode, soft link stores path to target file
- c. Both are identical
- d. Soft links cannot cross filesystems

Question 6

Complete

Mark 1.00 out of 1.00

What does docker exec -it mycontainer /bin/bash do?

- a. Stops all running containers
- b. Restarts container
- c. Rebuilds container
- d. Opens an interactive terminal session inside a running container

Question 7

Complete

Mark 1.00 out of 1.00

What does git rebase -i HEAD~3 allow you to do?

- a. Push last 3 commits to remote directly
- b. Delete the last 3 commits permanently
- c. Merge last 3 commits into one interactive commit history editor
- d. Fetch commits from the last 3 branches

Question 8

Complete

Mark 1.00 out of 1.00

What does git reset --soft HEAD~1 do?

- a. Creates a new branch from last commit
- b. Removes last commit and deletes changes permanently
- c. Removes last commit but keeps changes staged
- d. Removes last commit and un-stages changes

Question 9

Complete

Mark 1.00 out of 1.00

What does the command ulimit -n display or modify?

- a. Maximum number of threads per process
- b. Number of processes system-wide
- c. Maximum number of open file descriptors per process
- d. Maximum file size in bytes

Question 10

Complete

Mark 1.00 out of 1.00

What does the nice command do?

- a. Displays user permissions
- b. Restricts CPU cores for execution
- c. Terminates zombie processes
- d. Changes priority of a process (lower value = higher priority)

Question 11

Complete

Mark 1.00 out of 1.00

What happens when you fork a repository on GitHub?

- a. You create an independent copy under your GitHub account
- b. You clone it locally
- c. You get push access to the original repo
- d. You merge it automatically with the original

Question 12

Complete

Mark 1.00 out of 1.00

What happens when you run docker run -d -p 8080:80 nginx?

- a. Builds a new image
- b. Mounts /var/www/html automatically
- c. Starts nginx detached and maps host port 8080 to container port 80
- d. Runs nginx in host network mode

Question 13

Complete

Mark 1.00 out of 1.00

What is the difference between a Declarative and Scripted pipeline?

- a. Scripted = Groovy-based flexible; Declarative = structured and easy syntax
- b. Declarative supports conditional logic only
- c. Both identical
- d. Scripted uses JSON; Declarative uses YAML

Question 14

Complete

Mark 1.00 out of 1.00

What is the purpose of Docker Compose?

- a. It is a replacement for Dockerfile
- b. It manages multiple containers as one application using YAML configuration
- c. It installs Docker
- d. It runs only on Kubernetes

Question 15

Complete

Mark 1.00 out of 1.00

Which command will continuously monitor the last 20 lines of a log file and refresh in real time?

- a. grep logfile.log
- b. less logfile.log
- c. cat -n logfile.log
- d. tail -n 20 -f logfile.log

Question 16

Complete

Mark 1.00 out of 1.00

Which Dockerfile instruction reduces image size the most effectively?

- a. Using COPY for dependencies repeatedly
- b. Combining related commands in one RUN layer
- c. Using multiple RUN layers for each command
- d. Avoiding .dockerignore

Question 17

Complete

Mark 0.00 out of 1.00

Which Git command permanently deletes all untracked files and directories?

- a. git prune
- b. git clean -fd
- c. git reset --hard
- d. git rm -r *

Question 18

Complete

Mark 1.00 out of 1.00

Which Jenkins directive defines what to do after pipeline success or failure?

- a. post
- b. agent
- c. stages
- d. environment

Question 19

Complete

Mark 1.00 out of 1.00

Which Jenkins plugin enables integration with Docker?

- a. Docker Executor Plugin
- b. Docker API Connector
- c. Docker Pipeline Plugin
- d. Docker Manager

Question 20

Complete

Mark 1.00 out of 1.00

Which Linux command combination lists open ports with associated processes?

- a. lsof -i :80
- b. ps aux | grep port
- c. netstat -tulnp
- d. Both B and C