

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 ENTRYPOINT and CMD?

- ☐ a. CMD overrides ENTRYPOINT
- ☒ b. ENTRYPOINT defines default executable; CMD provides default arguments
- ☐ c. ENTRYPOINT 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