

Started on	Thursday, 4 December 2025, 12:27 PM
State	Finished
Completed on	Thursday, 4 December 2025, 12:31 PM
Time taken	3 mins 51 secs
Marks	19.00/20.00
Grade	95.00 out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Docker images are built from:

- ☐ a. Linux kernel modules
- ☐ b. Virtual machine templates
- ☐ c. Git commits
- ☒ d. Dockerfile instructions forming immutable layers

Question 2

Complete

Mark 1.00 out of 1.00

Docker layer sharing works because:

- ☐ a. Containers share memory
- ☐ b. Images auto-merge at runtime
- ☒ c. Layers are uniquely stored using content hashing
- ☐ d. The kernel copies layers between containers

Question 3

Complete

Mark 1.00 out of 1.00

Docker volumes are used to:

- ☐ a. Increase CPU power
- ☐ b. Install OS updates
- ☒ c. Persist data outside the container filesystem
- ☐ d. Improve network speed

Question 4

Complete

Mark 1.00 out of 1.00

What does 'docker exec -it <container> sh' do?

- ☐ a. Logs container output
- ☐ b. Starts a new container
- ☐ c. Rebuilds the image
- ☒ d. Executes a shell inside a running container

Question 5

Complete

Mark 1.00 out of 1.00

What does 'git add' do?

- ☐ a. Creates a new branch
- ☐ b. Commits files
- ☐ c. Sends code to remote
- ☒ d. Adds files to staging area

Question 6

Complete

Mark 1.00 out of 1.00

What does 'git clone' do?

- ☒ a. Downloads an entire repository with history
- ☐ b. Saves only the latest commit
- ☐ c. Creates a new repository
- ☐ d. Starts a pull request

Question 7

Complete

Mark 1.00 out of 1.00

What does 'git pull' do?

- ☒ a. Downloads and merges remote changes
- ☐ b. Deletes remote branches
- ☐ c. Shows current repo status
- ☐ d. Pushes local commits to remote

Question 8

Complete

Mark 1.00 out of 1.00

What does 'git stash' do?

- ☐ a. Deletes all local changes
- ☒ b. Saves uncommitted changes temporarily
- ☐ c. Rolls back last commit
- ☐ d. Pushes changes to remote

Question 9

Complete

Mark 1.00 out of 1.00

What does HEAD refer to in Git?

- ☐ a. The first commit
- ☐ b. The remote repository
- ☐ c. A deleted commit
- ☒ d. The latest commit on the checked-out branch

Question 10

Complete

Mark 1.00 out of 1.00

What does the COPY instruction in a Dockerfile do?

- ☐ a. Copies files from one container to another
- ☐ b. Copies images from Docker Hub
- ☐ c. Runs a command inside the container
- ☒ d. Copies files from host to image during build

Question 11

Complete

Mark 1.00 out of 1.00

What happens when you run 'docker run -it ubuntu bash'?

- ☒ a. Creates a new container and opens interactive bash
- ☐ b. Creates an image named ubuntu
- ☐ c. Opens bash on the host
- ☐ d. Creates a VM and runs bash

Question 12

Complete

Mark 1.00 out of 1.00

What is a merge conflict?

- ☐ a. When a pull request is rejected
- ☐ b. When branches have different names
- ☒ c. When two commits modify the same lines differently
- ☐ d. When GitHub is offline

Question 13

Complete

Mark 1.00 out of 1.00

What is the default network mode for a Docker container?

- ☒ a. bridge
- ☐ b. overlay
- ☐ c. none
- ☐ d. host

Question 14

Complete

Mark 1.00 out of 1.00

What is the purpose of .gitignore?

- ☐ a. Lists branches
- ☐ b. Tracks remote URLs
- ☐ c. Deletes files automatically
- ☒ d. Ignores files from being version-controlled

Question 15

Complete

Mark 1.00 out of 1.00

Which command creates a new branch?

- ☐ a. git create branch
- ☐ b. git checkout
- ☐ c. git make-branch
- ☒ d. git branch <name>

Question 16

Complete

Mark 0.00 out of 1.00

Which command lists all running containers?

- ☐ a. docker show
- ☐ b. docker container ls
- ☒ c. docker ps -a
- ☐ d. docker list

Question 17

Complete

Mark 1.00 out of 1.00

Which command pushes changes to remote?

- ☐ a. git merge
- ☐ b. git upload
- ☒ c. git push
- ☐ d. git post

Question 18

Complete

Mark 1.00 out of 1.00

Which command removes all unused images, containers, and networks?

- ☐ a. docker clear
- ☐ b. docker prune all
- ☒ c. docker system prune
- ☐ d. docker system clean

Question 19

Complete

Mark 1.00 out of 1.00

Which command shows commit history?

- ☐ a. git show
- ☐ b. git history
- ☐ c. git commits
- ☒ d. git log

Question 20

Complete

Mark 1.00 out of 1.00

Which of the following best describes a Docker container?

- ☐ a. A virtual machine with its own OS
- ☒ b. A lightweight, isolated runtime environment using the host OS kernel
- ☐ c. A remote server that hosts applications
- ☐ d. A hardware-level virtualization platform