

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