

<b>Started on</b>	Thursday, 4 December 2025, 12:26 PM
<b>State</b>	Finished
<b>Completed on</b>	Thursday, 4 December 2025, 12:28 PM
<b>Time taken</b>	2 mins 28 secs
<b>Marks</b>	18.00/20.00
<b>Grade</b>	<b>90.00</b> out of 100.00

**Question 1**

Complete

Mark 1.00 out of 1.00

Docker images are built from:

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

**Question 2**

Complete

Mark 1.00 out of 1.00

Docker layer sharing works because:

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

**Question 3**

Complete

Mark 1.00 out of 1.00

Docker volumes are used to:

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

**Question 4**

Complete

Mark 1.00 out of 1.00

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

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

**Question 5**

Complete

Mark 1.00 out of 1.00

What does 'git add' do?

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

**Question 6**

Complete

Mark 1.00 out of 1.00

What does 'git clone' do?

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

**Question 7**

Complete

Mark 1.00 out of 1.00

What does 'git pull' do?

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

**Question 8**

Complete

Mark 1.00 out of 1.00

What does 'git stash' do?

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

**Question 9**

Complete

Mark 1.00 out of 1.00

What does HEAD refer to in Git?

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

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

**Question 11**

Complete

Mark 1.00 out of 1.00

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

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

**Question 12**

Complete

Mark 1.00 out of 1.00

What is a merge conflict?

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

**Question 13**

Complete

Mark 1.00 out of 1.00

What is the default network mode for a Docker container?

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

**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 checkout
- ☐ b. git create branch
- ☐ 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 list
- ☒ b. docker ps -a
- ☐ c. docker show
- ☐ d. docker container ls

**Question 17**

Complete

Mark 1.00 out of 1.00

Which command pushes changes to remote?

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

**Question 18**

Complete

Mark 0.00 out of 1.00

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

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

**Question 19**

Complete

Mark 1.00 out of 1.00

Which command shows commit history?

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

**Question 20**

Complete

Mark 1.00 out of 1.00

Which of the following best describes a Docker container?

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