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|---------------------|-------------------------------------|
| <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