

MLOps-Container-DA-07

- 1.** The primary goal of MLOps is to
 - A Reduce model accuracy
 - B Bridge gap between ML development and operations
 - C Replace DevOps entirely
 - D Increase model complexity

- 2.** Which of the following is NOT a stage in the MLOps lifecycle
 - A Data collection
 - B Model deployment
 - C Model destruction
 - D Model monitoring

- 3.** MLOps integrates concepts mainly from
 - A DevOps and Data Science
 - B Cybersecurity and Networking
 - C Big Data and Cloud Storage
 - D Blockchain and IoT

- 4.** Which phase of MLOps focuses on real-time prediction and feedback
 - A Deployment
 - B Monitoring
 - C Training
 - D Data preprocessing

- 5.** Model drift refers to
 - A Model training failure
 - B Change in data patterns over time causing reduced accuracy
 - C Container migration
 - D Overfitting due to noise

6. What is Docker used for?

- (A) Operating system installation
- (B) Virtual machine creation
- (C) Containerization of applications
- (D) Data visualization

7. A Docker container is:

- (A) A lightweight virtual machine
- (B) An isolated environment to run an application
- (C) A network configuration tool
- (D) A storage disk image

8. The command to list all Docker containers is:

- (A) docker list
- (B) docker ps
- (C) docker show
- (D) docker -a

9. The Dockerfile instruction FROM specifies:

- (A) The container output
- (B) The base image for the build
- (C) The port number
- (D) The execution script

10. Which component of Docker runs containers?

- (A) Docker Client
- (B) Docker Daemon
- (C) Docker Registry
- (D) Docker Hub

11. The command docker build -t myimage . does what?

- (A) Builds a Docker image from a Dockerfile
- (B) Runs a Docker container
- (C) Pulls an image from Docker Hub
- (D) Lists images

12. The command docker run -p 5000:5000 myapp means:

- (A) Runs a container on port 5000 inside and outside host
- (B) Connects two containers
- (C) Pulls a container image
- (D) Deletes a container

13. Which command removes a running container?

- (A) docker stop
- (B) docker delete
- (C) docker halt
- (D) docker end

14. A key difference between containers and virtual machines is:

- (A) Containers have their own OS kernel
- (B) Containers share the host OS kernel
- (C) Containers use more memory
- (D) Containers are hardware-based

15. To push a Docker image to Docker Hub, which command is used?

- (A) docker upload
- (B) docker push
- (C) docker deploy
- (D) docker export

16. What is meant by "deployment" in MLOps?

- (A) Building a model
- (B) Installing Python
- (C) Making an ML model available for use
- (D) Collecting data

17. Which of the following is NOT a deployment strategy?

- (A) Recreate
- (B) Blue-Green
- (C) Rolling Update
- (D) Data Augmentation

18. In a Blue-Green deployment, the main goal is to:

- (A) Run two environments to ensure zero downtime
- (B) Replace the model manually
- (C) Reduce CPU usage
- (D) Increase retraining speed

19. Canary deployment means

- (A) Deploying model to a small subset of users first
- (B) Deploying model directly to all users
- (C) Using containers for testing
- (D) Manual validation after deployment

20. Shadow deployment differs from canary deployment by

- (A) Running new version in parallel without user impact
- (B) Completely replacing the old version
- (C) Using zero containers
- (D) Deploying only on weekends