

AIML-DA-01

1. Which command uploads local changes to a remote repository?

- (A) git fetch
- (B) git pull
- (C) git push
- (D) git merge

2. What command is used to create a local Git repository?

- (A) git start
- (B) git create
- (C) git init
- (D) git new

3. What command stages files for commit?

- (A) git push
- (B) git stage
- (C) git add
- (D) git update

4. Which command uploads local changes to a remote repository?

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5. What does the command git status do?

- (A) Shows current commit ID
- (B) Displays remote branch
- (C) Shows the state of working directory and staging area
- (D) Deletes a branch

6. Which of the following is used to create a new branch?

- (A) git branch
- (B) git fork
- (C) git split
- (D) git line

7. Which of the following is a key characteristic of cloud computing?

- (A) Manual scaling
- (B) On-demand self-service
- (C) Physical data ownership
- (D) Single tenant access

8. Which service model provides virtual machines and other fundamental resources?

- (A) SaaS
- (B) PaaS
- (C) IaaS
- (D) NaaS

9. Which of the following is NOT a major cloud service provider?

- (A) AWS
- (B) Azure
- (C) MySQL
- (D) Google Cloud

10. A startup wants to host its web application without investing in hardware. It also wants to scale as the user base grows. Which cloud service model is best?

- (A) On-premise
- (B) IaaS
- (C) PaaS
- (D) Co-location

11. Your organization wants to build a secure internal app with full control over hardware and software. Which deployment model suits best?

- (A) Public Cloud
- (B) Hybrid Cloud
- (C) Private Cloud
- (D) Community Cloud

12. A mobile app uses cloud storage to upload and access images anytime. Which cloud characteristic is most relevant?

- (A) Elasticity
- (B) On-demand access
- (C) Virtualization
- (D) Scalability

13. Two developers are working on different features of the same project. What should they do to avoid code conflicts?

- (A) Use different Git repositories
- (B) Work on the main branch
- (C) Use separate branches
- (D) Turn off version control

14. You made a change in a file and committed it, but now you want to revert the file to its state before the commit. What Git command should you use?

- (A) git reset
- (B) git push
- (C) git branch
- (D) git merge

15. You cloned a repository and want to update your local copy with changes from the remote. What will you run?

- (A) git merge
- (B) git push
- (C) git fetch origin
- (D) git pull origin main

16. You want to share your local commits with the team. What Git command do you use?

- (A) git commit
- (B) git push origin branch_name
- (C) git clone
- (D) git pull

17. You are working on a team project. You should always create a separate _____ to work on your assigned task.

18. What is the main purpose of version control?

- (A) Encrypt source code
- (B) Maintain multiple versions and track changes
- (C) Compile the program automatically
- (D) Run code faster

19. Which of the following is a distributed version control system?

- (A) Subversion (SVN)
- (B) CVS
- (C) Git
- (D) TFS

20. In Git, what is a commit?

- (A) A backup of a repository
- (B) A comment on a file
- (C) A snapshot of your changes
- (D) A clone of the repo

21. Which service model is best suited for developers who want to build and deploy applications without managing the underlying infrastructure?

- (A) IaaS
- (B) PaaS
- (C) SaaS
- (D) FaaS

22. Which of the following offers ready-to-use business applications over the internet?

- A SaaS
- B PaaS
- C IaaS

23. Which deployment model is ideal for hosting confidential data with full control and privacy?

- A Private Cloud
- B Public Cloud
- C Hybrid Cloud
- D Community Cloud

24. Which deployment model offers a mix of public and private clouds, allowing data and applications to move between them?

- A Public
- B Hybrid
- C Community
- D Private

25. Google Workspace (formerly G Suite) is a popular example of _____ cloud service.

26. Salesforce is a leading vendor in the _____ service model category.

27. Which cloud service model typically requires the least amount of technical knowledge to use?

- A IaaS
- B PaaS
- C SaaS
- D FaaS

28. Which of the following is the cloud computing platform offered by Amazon?

- A Azure
- B IBM Cloud
- C AWS
- D Oracle Cloud

29. Google Cloud's AI platform is called:

- A) AI Fabric
- B) TensorFlow Cloud
- C) Vertex AI
- D) CloudBot

30. What does SLA stand for in cloud computing?

- A) Software License Agreement
- B) Secure Layer Authentication
- C) Service Level Agreement
- D) System Log Access