

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?

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

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