

DEVEOPS

1. Which command creates a copy of an existing git repository. git copy

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1/1

a) git clone

b) git replace

c) git move

d) git fork

2. Which of the following is true about the Centralized version control system?

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1/1

a) It does not rely on the Central server.

b) It is victim to the single point of failure

c) It relies on the central server

d) Both b and c

3. Git can be used for which project?

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1/1

a) Java enterprise project

b) Net project

c) File version management

d) All of the above

4. Pick the Incorrect option from the following.

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1/1

a) Git config - Configure the username and email address

b) Git add - Add one or more files to the staging area

c) Git init – View the changes made to the file

d) All of the above

5. Which of the following key component of DevOps?

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1/1

- a) Continuous Deliver.
- b) Continuous Testing
- c) Continuous Integration
- d) All of the above

6. What is DevOps?

1/1

- a) Small team of people that own everything related to a particular service
- b) Developers performing operations
- c) Developers and Operations team members working together
- d) None of the above

7. DevOps culture is about _____ between Dev and Ops-

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1/1

- a) Speed
- b) Collaboration
- c) Stability
- d) None

8.Devops stand for-

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1/1

- a) Drive and Operations
- b) Digital and Operation
- c) Development And Operations
- d) None of these

9. What are the Business advantages of DevOps?

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1/1

- a) Less stable operating environments
- b) Faster delivery of features
- c) More time available to add value
- d) Both a & b

10. Select some famous DevOps tool-

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0/1

- a) Selenium
- b) Git.
- c) Chef.

d) All of the above.

Correct answer

d) All of the above.

11. Advantages of Docker -

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1/1

- a) Can be started within seconds as a Docker container is just a process running on the operating system
- b) Ensures faster deployment. With Docker, you do not have to create a new environment and only have to download the Docker image to run on a different server
- c) Allows you to scale and maintain the containers efficiently. You can run multiple containers containing isolated applications on the same host or server
- d) All of the above

12. Which one is wrong for Kubernetes?

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1/1

- a) Operates automation task of container management
- b) Built-in commands for deploying operations
- c) Monitoring applications
- d) It is used for storing, tracking, and collaborating on software project

13. What is the basic operational unit of Kubernetes?

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1/1

- a) Task
- b) Container
- c) Nodes
- d) Pod

14. Kubernetes was developed by-

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.../1

- a) Google
- b) IBM
- c) Microsoft.
- d) None of the above

No correct answers

15. To create a new deployments in kubernetes , the command used is-

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1/1

- a) Kubectl
- b) Kubernetes get deployment
- c) Kubernetes set deployment
- d) None of the above

16. Continuous Implementation is_____ process.

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1/1

- a) an agile.
- b) an inexpensive
- c) a complicated
- d) a temporary

17. What are the benefits of Continuous Integration?

1/1

- a) Errors detected early
- b) Decreasing bug accumulation

c) Setting the page for continuous delivery

d) All of the above

18. Advantages of Jenkins is-

1/1

a) At the integration stage, build failures are cached

b) For each code commit change automatic build report notification generates

c) To developers about building report success or failure

d) All of the above

19. What is the requirement for using Jenkins?

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0/1

a) A source code repository that is accessible, for instance, a git repository

b) A working build script, e.g. a Maven script worked by the repository

c) Both of the above.

d) None

Correct answer

c) Both of the above.

20. JENKINS can be integrated with

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1/1

a) Maven

b) Perforce

c) Git

d) All of these

21. Which of the below command is used to install Jenkins?

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1/1

a) java -jar Jenkins.war

b) java -war Jenkins.war

c) java -jar Jenkins.jar

d) java -war Jenkins.jar

22. CI/CD stands for-

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1/1

- a) Continuous Installation Continuous Debit
- b) Continuous Integration Continuous Delivery**
- c) Continuous Installation Continuous Deployment
- d) Continuous Infrastructure Continuous Demand

23. Which plugins allow Jenkins to create pipelines?

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1/1

- a) JenkinsFile
- b) Job DSL
- c) Pipeline**
- d) All of these

24. Which of the following are core Kubernetes objects?

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1/1

- a) Pods
- b) Volumes
- c) Services
- d) All of the above**

25. Which can be considered the primary datastore of Kubernetes?

1/1

- a) Pod
- b) Etcd**
- c) Kubelet.
- d) Scheduler

26. In Kubernetes a node is---

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1/1

a) A worker machine

- b) A tool for starting a Kubernetes cluster on a local machine
- c) A developing tool
- d) None of the above

27. Which of the following is used to create Kubernetes service?

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1/1

- a) Kubectl run
- b) Kubectl deploy
- c) Kubectl expose
- d) None of the above

28. A repository is a file structure where git stores all the project-based files.

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1/1

a) True

- b) False
- c) Can be true or false
- d) Cannot say

29. The files that can be committed are always present in git -

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1/1

- a) Working directory
- b) Staging area
- c) Unstaged area
- d) Anywhere, there is no barrier

30. git fetch+ git merge equal to-

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1/1

- a) git push
- b) git branch
- c) git pull

d) none of the above

31. Which of the following terms best describes Github?

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0/1

- a) Integrated Development History
- b) Distributed Version Control system

c) Issue tracking system

d) Web-based Repository hosting service

Correct answer

d) Web-based Repository hosting service

32. Replication controllers and Deployment controllers are part of –

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1/1

- a) API Controller Manager
- b) Etcd Manager

c) Master Controller Manager.

d) Kubeadm

33. _____ command is used for stopping a running container.

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1/1

a) \$ docker kill

- b) \$ docker rm.
- c) \$ docker stop
- d) \$ docker start

34. What is the benefit for a developer using docker?

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1/1

- a) Standardization and productivity
- b) CI Efficiency and Rapid Deployment

c) Compatibility and Maintainability

d) All of the above

35. Which of the following statement is most correct?

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0/1

a) Dockers allow you to run images and build containers

b) Dockers allow you to run containers and build images

c) Dockers allow you to run and build containers

d) Dockers allow you to run and build images

Correct answer

c) Dockers allow you to run and build containers

36. The following are the CI Practices except ---

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1/1

a) Running fast builds

b) Staging builds

c) Committing frequently

d) Deploying to production

37. Which is NOT true about continuous integration?

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1/1

a) Most effectively done through automation

b) Involves moving code from development to test environment

c) Involves moving code to large amounts

d) Involves moving code to frequent intervals

38. Select the activity/activities that are part of Continuous Integration.

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1/1

a) Code Build

b) Tests.

c) Version Control

d) All of the above

39. Which of the following techniques makes DevOps a successful methodology to develop and deliver software?

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1/1

- a) DevOps enables you to organize your teams around your organizational mission
- b) DevOps enables you to create your software with built-in quality and monitoring
- c) DevOps enables you to quickly identify, fix and learn from errors
- d) All the above choices

40. CI Pipeline consists of-

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1/1

- a) Items
- b) Stages
- c) Artifact.
- d) Commitments

41. Which of the following terminology is not related to git?

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1/1

- a) Staging area
- b) Fork
- c) Branch
- d) Stem

42. Which of the below is/are container orchestration technologies?

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1/1

- a) Mesos
- b) Kubernetes
- c) Docker Swarm
- d) All of the above

43. Which of the following are core Kubernetes objects?

1/1

- a) Pods
- b) Volumes
- c) Services.
- d) All of the above

44. The service type_____ works only if your cluster is set up to work with a work provider.

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1/1

- a) NodePort
- b) ClusterIP
- c) LoadBalancer
- d) ExternalName

45. Which of the following are Kubernetes controllers?

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1/1

- a) Replicaset
- b) Deployment.
- c) Namespace
- d) Both a and b

46. What are the types of Jenkins pipelines?

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1/1

- a) A Declarative pipeline.
- b) A scripted pipeline.
- c) None of the above.
- d) Both of the above.

47. What are the following correct ways to trigger a Jenkins job/pipeline?

1/1

- a) Trigger an API (POST) request to the target job URL with the required data
- b) Trigger it manually from the Jenkins web application
- c) Trigger it using Jenkins CLI from the master/slave node
- d) All of the above

48. At a high level, what is the value of continuous integration?

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1/1

- a) Reduce risk
- b) Reduce repetitive manual process
- c) Generate deployable software at any time
- d) All of the above

49. Which is not a DevOps tool?

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0/1

- a) Nagios
- B) GI

c) QIT

- d) Jenkins

Correct answer

- c) QIT

50. What are the useful plugins in Jenkin?

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1/1

- a) Maven 2 project
- b) Amazon EC2.
- c) HTML Publisher
- d) All of the above

51. Which of the following OSES does docker run on?

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1/1

- a) Linux
- b) Window
- c) MacOS.
- d) All of the above

52. Does Kubernetes use docker?

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1/1

a) Yes

b) No

53. Which command is used for running the images as a container?

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0/1

a) \$ docker PS

b) \$ sudo docker run container name

c) \$ sudo docker run -i -t alpine /bin/bash

d) All of the above

Correct answer

c) \$ sudo docker run -i -t alpine /bin/bash

54. What port does docker registry use?

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1/1

a) Port 3000.

b) Port 5000

c) Port 8000.

d) None of the above

55. Which are the following scripting language popular for DevOps ?

1/1

a) Java

b) Python

c) HTML

d) C++

56. DevOps is an extension of_____

1/1

a) QA

b) Agile

c) Waterfall

d) None of the above

57. Command to download all the objects and references from a specified repository.

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1/1

a) git config –list

b) git help

c) git fetch

d) git log -n

58. Which of the following is not a part of the data structure of git repository?

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1/1

a) Branch pointer

b) Body element.

c) Commit object.

d) Head pointer.

59. The main objectives of git are-

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.../1

a) Speed.

b) Data Integrity

c) Support for distributed non-linear workflows

d) All of the above

No correct answers

60. Git Command ----- used to give tags to the specific commit.

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1/1

a) git checkout [branch name]

b) git show [commit]

c) git tag [commitID]

d) git rm [file]