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# Free DevOps Certification Exam Practice Test

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DevOps free practice test offered by Simplilearn is an indentation of the actual DevOps exam which will help you excel in your next role as a DevOps Practitioner. Recognize your weak areas and adapt your learning methods accordingly with these 30 DevOps multiple choice questions. These DevOps questions are free of cost and can be attempted any number of times until you are confident enough to face the actual exam. Test your skills with this DevOps mock test. Give it a shot today!

## Improve Your Skills with this Program

**Post Graduate Program in DevOps**

1214 Ratings

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## Explanations

| 30 | 1 | 3.33 |
|---|---|---|
| Questions | Correct Answers | % Correct Answers |

1. Which statement best describes the goal of DevOps?

○ Establish an environment where change management does not control application releases

○ Establish an environment to release more reliable applications faster

○ Establish an environment where application development performs all the operation tasks

○ Estalish an environment where the release of applications is valued more than its quality

Explanations:

Establish an environment to release more reliable applications faster

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2. You have a stable Devops team where members are working together for several sprints. Recently, the team is having trouble in delivering a new version of the product. They are unable to deliver upgrades in time with a two week sprint. How can you overcome this challenge?

○ Extend the sprint to four weeks to give the team more time

○ Expect that the team will learn from the mistakes and fix the problem in the next cycle

◉ Shorten the sprint to achieve smaller targets and find the problem quickly

○ Focus only on few limited changes that are viable to be delivered in two weeks

Explanations:

Shorten the sprint to achieve smaller targets and find the problem quickly

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3. The development of new software and IT services consist of functional and non-functional requirements. At which stage of the development process should the non-functional requirements be addressed, to be able to deliver software and services faster and better?

○ From the initiation stage of the software development

○ After the functional acceptance test by the customer representatives

○ Along with the implementation of continuous delivery

○ The non-functional requirements are of no concern to the customers

Explanations:

From the initiation stage of the software development

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4. In Git, if you want to make your local repository reflect the changes made in a remote (tracked) repository, you should run the pull command.

○ TRUE

○ FALSE

Explanations:

TRUE

---

5. You have a local repository, but the team members have pushed the changes into the remote repository. Which Git operation would you use to download those changes into your working copy?

○ checkout

○ commit

○ export

○ pull

Explanations:

pull

---

6. Which of the following is not a part of the data structure of a Git repository?

○ Body element

○ Branch pointer

○ Commit object

○ Head pointer

Explanations:

Body element

---

7. Which file can you configure to ensure that certain file types are not committed to the local Git repository?

○ ignore.git

○ .gitignore

○ gitignore.txt

○ git.ignore

Explanations:

.gitignore

---

8. When can a single dash be used within a Git command?

○ When using a single-character option

○ When using a multi-character option

○ When issuing Git commands with multiple options

○ When referencing a Git alias

Explanations:

When using a single-character option

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## 9. Which source code management plugin does Jenkins install by default?

○ Git

○ Subversion

○ Concurrent versions system

○ None of the above options

Explanations:

None

---

## 10. Which environment variable do you optionally use to specify the folder in which the Jenkins configuration and runtime data are contained?

○ JENKINS_ROOT

○ M2_HOME

○ JENKINS_HOME

○ JAVA_HOME

Explanations:

JENKINS_HOME

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## 11. Which of the following is a source code management tool?

○ Jenkins

○ Maven

○ Git

○ Hudson

Explanations:

Git

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## 12. What is the difference between continuous delivery and continuous deployment?

○ Continuous delivery is a manual task, while continuous deployment is an automated task.

○ Continuous delivery has manual releases to production decisions, while continuous deployment has releases automatically pushed to production.

○ Continuous delivery includes all steps of software development life cycle, while continuous deployment may skip few steps such as validation and testing.

○ Continuous delivery means complete delivery of the application to customer, while continuous deployment includes only deployment of the application in customer environment.

Explanations:

Continuous delivery has manual releases to production decisions, while continuous deployment has releases automatically pushed to production.

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13. What are the appropriate characteristics of Continuous delivery approach?

☐ Complex, but less number of releases

☐ A focus on cycle time reduction

☐ Resource-based management of the process

☐ Self-managed and responsive teams

Explanations:

A focus on cycle time reduction
Self-managed and responsive teams

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14. Which command is used to access the list of Ansible_Variables?

○ ansible- m setup hostname

○ ansible pull

○ ansible-playbook playbook.yml --list-hosts

○ ansible-playbook

Explanations:

ansible- m setup hostname

---

15. Ansible an open-source tool.

○ TRUE

○ FALSE

Explanations:

TRUE

---

## 16. Node in Chef is a _____

○ Virtual machine

○ Container instance

○ Physical server

○ All the above options

Explanations:

All the above options

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## 17. What type of software testing uses JUnit with Java?

○ Unit testing

○ Integration testing

○ Functional testing

○ System testing

Explanations:

Unit Testing

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## 18. Which value is returned in the JUnit test?

○ String

○ Int

○ Object

○ Void

Explanations:

Void

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## 19. Which methods cannot be tested by JUnit test class?

○ Public Methods

○ Private Methods

○ Protected Methods

○ Methods with void return type

Explanations:

Private Methods

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20. Which of the following methods of Assert class checks that a condition is true?

○ void assert(boolean condition)

○ void assertTrue(boolean condition)

○ void assertCheck(boolean condition)

○ void assertChecks(boolean condition)

Explanations:

void assertTrue(boolean condition)

---

21. Docker containers are based on open standard_____

○ Allowing containers to run only on major Linux distributions.

○ Allowing containers to run on Microsoft operating systems only

○ Allowing containers to run on all major Linux distributions and Microsoft operating systems

○ None of the above options

Explanations:

Allowing containers to run on all major Linux distributions and Microsoft operating systems

---

22. Containers running on a single machine share the same operating system kernel to start instantly and make more efficient use of RAM.

○ TRUE

○ FALSE

Explanations:

TRUE

---

23. Containers include the application and all of it's dependencies, but share the kernel with other containers. They

run as an isolated process in userspace on the host operating system.

◯ TRUE

◯ FALSE

Explanations:

TRUE

---

24. _____ is native clustering for Docker. It turns a pool of Docker hosts into a single, virtual Docker host.

◯ Docker Swarm

◯ Docker Hub

◯ Docker Cloud

◯ Docker Compose

Explanations:

Docker Swarm

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25. _____ command is used to remove an empty directory.

◯ rdir

◯ remove

◯ rm

◯ rmdir

Explanations:

rmdir

---

26. Nagios uses results from the plugins to determine the current status of hosts and services on your network.

◯ TRUE

◯ FALSE

Explanations:

TRUE

---

27. Why do you need plugins?

○ Nagios will execute a plugin whenever there is a need to check the status of a host or service

○ Plugins are useful for monitoring services that are asynchronous in nature

○ Both a and b

○ None of the above options

Explanations:

Nagios will execute a plugin whenever there is a need to check the status of a host or service

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28. _____ is an open-source visualization tool that can be used on top of a variety of different data stores, but is most commonly used together with Graphite, InfluxDB, Elasticsearch, and Logz.io.

○ Grafana

○ Kibana

○ Nagios

○ None of the above options

Explanations:

Grafana

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29. _____ is an open-source container management tool which holds the responsibilities of container deployment, scaling and descaling of containers, and load balancing.

○ Grafana

○ Nagios

○ Kubernetes

○ Docker

Explanations:

Kubernetes

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30. Which of the following is/are features of Kubernetes?

○ Automated scheduling

○ Self-healing capabilities

○   Automated rollouts and rollbacks

○   All of the above options

Explanations:

All of the above options

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## FAQs

**What is the DevOps free practice test?**

The DevOps free practice test is a simulation of the real exam. The exam consists of 40 MCQs, whose main aim is to help you identify the problem areas and adapt your learning methods accordingly. The DevOps online test will help learners get easily certified as the DevOps engineer.

**Who can take up this DevOps mock test?**

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**Are these the same questions I'll see on the real exam?**

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DevOps Basics: A Beginner's Guide

Step Into the Sunlight: Cloud Computing and DevOps Work in the Post-COVID Era

DevOps Engineer Resume Guide

Program Preview: Post Graduate Program in Digital Transformation

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