

# Quiz 4 results for Fatima Dossa

Score for this quiz: 92 out of 100

Submitted 22 Apr at 8:52

This attempt took 12 minutes.



## Question 1

3 / 3 pts

What is the primary goal of DevOps?

- ☐ Extending the SDLC
- ☐ Reducing automation

Correct!

- ☒ Shortening the software development life cycle
- ☐ Minimizing collaboration



## Question 2

3 / 3 pts

What is a major benefit of monitoring and logging in DevOps?

Correct!

- ☒ Tracking application performance in real-time
- ☐ Reducing automation
- ☐ Manual debugging
- ☐ Ignoring user feedback



## Question 3

3 / 3 pts

Continuous Integration helps by:

- ☐ Decreasing code reviews
- ☐ Increasing deployment time
- ☐ Stopping code merging

Correct!

- ☒ Automating build and test processes



## Question 4

3 / 3 pts



What is the main goal of software maintenance?

- ☐ To rewrite the software
- ☐ To add unnecessary features
- ☐ To update the hardware

Correct!

- ☒ To keep the software functional, efficient, and secure



Question 5

3 / 3 pts

DevOps emphasizes:

- ☐ Individual performance

Correct!

- ☒ Collaboration between teams
- ☐ Separate silos for development and operations
- ☐ Manual testing procedures



Question 6

3 / 3 pts

Perfective maintenance involves:

- ☐ Resolving software errors
- ☐ Adapting to hardware updates

Correct!

- ☒ Adding new features or removing irrelevant ones
- ☐ Correcting latent faults



Question 7

3 / 3 pts

Which is an example of corrective maintenance?

- ☐ Updating for new operating systems
- ☐ Adding a new feature
- ☐ Deleting old log files

Correct!

- ☒ Fixing emergency service outages



## Question 8

3 / 3 pts

What historical event marked the beginning of DevOps?

- ☐ Introduction of agile methodology
- ☐ Release of Windows 95

Correct!

- ☒ Convergence of development and IT operations
- ☐ The rise of cloud computing



## Question 9

3 / 3 pts

DevOps combines which two domains?

- ☐ Software Development and Infrastructure Operations
- ☐ Software Development and Testing
- ☐ Software Development and Business Analysis

Correct!

- ☒ Software Development and IT Operations



## Question 10

3 / 3 pts

Which is NOT a benefit of DevOps?

- ☐ Better collaboration

Correct!

- ☒ None of the rest
- ☐ Faster time to market
- ☐ Continuous improvement



## Question 11

3 / 3 pts

Who coined the term 'DevOps'?

- ☐ Jeff Bezos
- ☐ Ahsan Jawed
- ☐ Martin Fowler

Correct!



☒ Patrick Debois



### Question 12

3 / 3 pts

Adaptive maintenance examples include:

- ☐ Adapting software to a new VAT rate
- ☐ Adapting software to support multi-factor authentication due to company policy changes.
- ☐ Operating System Upgrades

Correct!

☒ All of the rest



### Question 13

3 / 3 pts

Which of the following is a benefit of DevOps?

- ☐ Reduces errors using automation

Correct!

☒ All of the rest

- ☐ Faster software delivery
- ☐ Improved collaboration



### Question 14

0 / 3 pts

Which key practice of DevOps helps in reducing errors and automating software delivery?

Correct answer

- ☐ None of the rest
- ☐ Agile Methodology
- ☐ Monitoring and Logging

You Answered

☒ Infrastructure as Code



### Question 15

3 / 3 pts

Infrastructure as Code (IaC) focuses on:

- ☐ Software bug tracking



- ☐ None of the rest
- ☐ Client communication

Correct!

- ☒ Using code to define and manage infrastructure



Question 16

3 / 3 pts

The term DevOps is associated with:

- ☐ A methodology to isolate teams
- ☐ None of the rest
- ☐ Limiting infrastructure updates

Correct!

- ☒ Improving collaboration and productivity



Question 17

3 / 3 pts

DevOps was first recognized globally through:

- ☐ The creation of agile methodology
- ☐ A major tech merger
- ☐ A software release

Correct!

- ☒ The DevOpsDays conference



Question 18

3 / 3 pts

DevOps fosters continuous improvement by:

- ☐ Minimizing collaboration
- ☐ All of the rest

Correct!

- ☒ Optimizing workflows regularly
- ☐ Limiting automation



Question 19

3 / 3 pts

Continuous Delivery involves:



- ☐ Manual software deployment
- ☐ Writing infrastructure documentation
- ☐ Eliminating testing

Correct!

- ☒ Automating the delivery process



Question 20

3 / 3 pts

Agile methodology in DevOps focuses on:

- ☐ Non-automated workflows
- ☐ Rigid timelines

Correct!

- ☒ Iterative development and continuous feedback
- ☐ Minimal collaboration



Question 21

3 / 3 pts

Which of these is NOT a key practice of DevOps?

Correct!

- ☒ None of the rest
- ☐ Monitoring and Logging
- ☐ Continuous Integration
- ☐ Infrastructure as Code



Question 22

3 / 3 pts

Adaptive maintenance is required when:

- ☐ Data sets need reorganization

Correct!

- ☒ The software must adapt to changes in policies or technology
- ☐ There are latent faults in the system
- ☐ Users demand new features



Question 23

3 / 3 pts



What does preventive maintenance focus on?

Correct!

- ☒ Addressing latent faults before they become issues
- ☐ Fixing critical bugs
- ☐ Adapting to new policies
- ☐ None of the rest



Question 24

3 / 3 pts

Which type of maintenance deals with fixing bugs and errors?

- ☐ Preventive Maintenance

Correct!

- ☒ Corrective Maintenance
- ☐ Adaptive Maintenance
- ☐ Perfective Maintenance



Question 25

3 / 3 pts

What is a significant consideration when planning for software maintenance?

- ☐ The size of the software
- ☐ The number of stakeholders involved
- ☐ The development team's experience

Correct!

- ☒ The cost and effort of maintenance



Question 26

5 / 5 pts

**Scenario: An organization is upgrading its systems to be compatible with the latest Windows Server version, as the current version will soon be obsolete.**

What type of maintenance are they performing?

- ☐ Perfective Maintenance

Correct!

- ☒ Adaptive Maintenance
- ☐ Corrective Maintenance



☐ Preventive Maintenance



Question 27

5 / 5 pts

**Scenario: An organization discovers that its system is generating excessive log files, which could potentially slow down performance in the future.**

What type of maintenance should be performed?

☐ Perfective Maintenance

Correct!

☒ Preventive Maintenance

☐ Corrective Maintenance

☐ None of the rest



Question 28

5 / 5 pts

**Scenario: A DevOps team uses code to define server configurations and automates the deployment of new environments.**

Which key practice are they following?

Correct!

☒ Infrastructure as Code

☐ Collaboration and Communication

☐ Continuous Delivery

☐ Continuous Integration



Question 29

0 / 5 pts

**Scenario: After a system performance review, a team finds that a database query is taking too long due to unoptimized data organization. They decide to reorganize the data for faster searches.**

What type of maintenance is this?

☐ All of the rest

You Answered

☒ None of the rest

☐ Corrective Maintenance

Correct answer

☐ Adaptive Maintenance







## Question 30

5 / 5 pts

**Scenario: A company notices a sharp increase in downtime caused by unaddressed software bugs. They implement a process to regularly review and fix latent faults.**

This aligns with which type of maintenance?

☐ Corrective Maintenance

Correct!

☒ Preventive Maintenance

☐ Perfective Maintenance

☐ Adaptive Maintenance

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