Quiz # 4

- Due Apr 22, 2024 at 10:15am
- Points 30
- Questions 20
- Available Apr 22, 2024 at 10:15am - Apr 22, 2024 at 10:30am 15 minutes
- Time Limit 15 Minutes

Instructions

Please attempt all questions

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	12 minutes	23 out of 30

Score for this quiz: 23 out of 30
Submitted Apr 22, 2024 at 10:29am
This attempt took 12 minutes.

⠿

Question 1

1 / 1 pts

What is DevOps

○ A software development methodology

Correct!

◉ A collaboration culture between development and operations teams

○ A programming language

○ A cloud computing service

⠿

Question 2
1 / 1 pts

Which of the following is not a core principle of DevOps?

○ Automation

○ Collaboration

○ Continuous integration

Correct!

◉ Manual deployment

⋮

Question 3
1 / 1 pts

Which tool is commonly used for version control in DevOps?

○ Jenkins

○ Docker

Correct!

◉ Git

○ Ansible

⋮

Question 4
1 / 1 pts

The term "DevOps" itself was coined in 2009 by :

○ MIkael Fernholm

Correct!

◉ Patrick Debois

○ John Smith

○ Ahsan Jawed

⋮

Question 5
1 / 1 pts

What is software maintenance?

○ The process of creating new software

Correct!

◉ The process of modifying existing software to fix bugs or enhance functionality

○ The process of decommissioning old software

○ The process of documenting software requirements

⋮

Question 6

1 / 1 pts

Which of the following is not a type of software maintenance?

○ Corrective maintenance

○ Adaptive maintenance

Correct!

◉ Incremental maintenance

○ Incremental maintenance

⋮

Question 7

0 / 1 pts

Which type of maintenance involves making changes to software to keep it operational in a new or changing environment?

○ Corrective maintenance

You Answered

◉ Perfective maintenance

○ Preventive maintenance

Correct Answer

○ None of the above

⋮

Question 8

1 / 1 pts

Which maintenance activity involves adding new features or enhancing existing functionality?

○ Corrective maintenance

○ Adaptive maintenance

Correct!

◉ Perfective maintenance

○ Preventive maintenance

Question 9

1 / 1 pts

Which type of maintenance is performed to prevent future issues and improve software maintainability?

○ Corrective maintenance

○ Adaptive maintenance

Correct!

◉ Preventive maintenance

○ Perfective maintenance

Question 10

1 / 1 pts

Which type of maintenance involves fixing bugs or defects reported by users or identified during testing?

○ Adaptive maintenance

○ Perfective maintenance

Correct!

◉ Corrective maintenance

○ None of the above

Question 11

1 / 1 pts

Which type of maintenance involves making changes to the software to accommodate changes in the business environment or user requirements?

○ Perfective maintenance

○ Preventive maintenance

Correct!

◉ Adaptive maintenance

○ None of the above

⋮

Question 12

1 / 1 pts

What is the primary goal of software maintenance?

○ To enhance software performance

○ To create new features

○ To retire old software

Correct!

◉ To ensure Software continues to perform as per customer expectations

⋮

Question 13

0 / 5 pts

A software application running on an outdated operating system is experiencing compatibility issues with newer hardware and software components. The application needs to be updated to run on the latest operating system to ensure continued support and compatibility. Which type of maintenance activity is required in this situation?

○ Corrective maintenance

Correct Answer

○ Adaptive maintenance

You Answered

◉ Perfective maintenance

○ Perfective maintenance

⋮

Question 14

5 / 5 pts

A company is planning to migrate its legacy software system to a cloud-based platform to improve scalability, reliability, and cost-effectiveness. The migration process involves redesigning the architecture, updating dependencies, and optimizing performance for cloud deployment. Which type of maintenance activity best describes this scenario?

○ Corrective maintenance

Correct!

◉ Adaptive maintenance

○ Perfective maintenance

○ Perfective maintenance

⋮

Question 15

1 / 1 pts

What is software deployment?

○ The process of developing software applications

○ The process of installing software on end-user devices

Correct!

◉ The process of making software available for use in a production environment

○ The process of maintaining and updating software

⋮

Question 16

1 / 1 pts

What is the purpose of continuous deployment in software development?

Correct!

◉ To deploy software changes automatically to production

○ To deploy software changes manually to production

○ To deploy software changes periodically to production

○ To deploy software changes to a development environment

⋮

Question 17

0 / 1 pts

What is the purpose of a rollback strategy in software deployment?

○ To automate the deployment process

You Answered

◉ To deploy new features to a subset of users

Correct Answer

○ To revert to a previous version of the software in case of deployment failures

○ To scale the application horizontally

Question 18

1 / 1 pts

What is the purpose of smoke testing during software deployment?

○ To test the application in a production-like environment

Correct!

◉ To verify that critical functionalities are working after deployment

○ To automate the deployment process

○ To document deployment proceduresCorrect answer: b) To verify that critical functionalities are working after deployment

Question 19

1 / 1 pts

What are the general stages of a Software Deployment Process?

○ Preperation

○ Testing

○ Deployment

Correct!

◉ All of the above

Question 20

3 / 3 pts

A software development team has recently adopted DevOps practices to improve collaboration and increase deployment frequency. The team is using continuous integration (CI) to automate the build and testing process for their application. Which of the following best describes the benefit of CI in this scenario?

Correct!

- ⦿ Faster time to market
- ○ Improved collaboration between teams
- ○ Reduced manual effort in testing and deployment
- ○ Enhanced monitoring of application performance

Quiz Score: 23 out of 30