

Software engineering - LAB MCQs Exam

English ▼

[← Dashboard \(https://www.parikshado.com/oldwebsite/dashboard\)](https://www.parikshado.com/oldwebsite/dashboard)**1 of 40**

The command which creates a copy of an existing git repository is..

- 1 ☐ git copy
- 2 ☒ git clone ✓
- 3 ☐ git alias
- 4 ☐ git move

Solution -

git clone

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In Atlassian Jira, what is the primary purpose of an epic?

- 1 ☐ To track progress on a large project
- 2 ☒ To group related issues together ✓
- 3 ☐ To assign issues to team members
- 4 ☐ To set deadlines for issues

Solution -

To group related issues together

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Which of the following is incorrect about agile development?

- 1 ☐ The customer should be closely involved throughout the development process. Their role is providing and prioritize new system requirements and to evaluate the iterations of the system.
- 2 ☐ The software is developed in increments with the customer specifying the requirements to be included in each increment.
- 3 ☐ The skills of the development team should be recognized and exploited.
- 4 ☒ The team should be left to develop their own ways of working without prescriptive processes. ✓
- ☐ The system requirements cannot change and design cannot accommodate the dynamic modifications.

Solution -

The system requirements cannot change and design cannot accommodate the dynamic modifications.

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What does a burn-down chart show?

- 1 ☐ The decline energy level of the team
- 2 ☐ The number of hours worked after dark
- 3 ☐ The rate of reduction of budget for a project
- 4 ☐ The progress of the work and features completed ✓

Solution -

The progress of the work and features completed

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What is the primary purpose of containerization?

- 1 ☐ To bundle an application and its dependencies into a single package ✓
- 2 ☐ To improve the security of an application
- 3 ☐ To improve the scalability of an application
- 4 ☐ To reduce the cost of running an application

Solution -

To bundle an application and its dependencies into a single package

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What are the advantages of Jenkins?

- 1 ☐ Continuous Integration
- 2 ☐ To notify developers about build report
- 3 ☐ Both A & B ✓

4 ☐ None of the Above

Solution -

Both A & B

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Agile development and deployment are difficult in case of..??

- 1 ☐ Monolithic ✓
- 2 ☐ Microservice
- 3 ☐ both of the above
- 4 ☐ OOPs

Solution -

Monolithic

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Docker container is often described as an improvement over what other technology?

- 1 ☐ Cloud Computing
- 2 ☐ Devops
- 3 ☐ virtual machines ✓
- 4 ☐ microservice

Solution -

virtual machines

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Which of the following is the key component of DevOps?

- 1 ☐ Continuous Delivery
- 2 ☐ Continuous Integration
- 3 ☐ Continuous Testing
- 4 ☒ All of the above ✓

Solution -

All of the above

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In WebDriver
command is used to enter values to text boxes.

- 1 ☐ selenium.type()
- 2 ☐ type()
- 3 ☒ sendKeys("text") ✓
- 4 ☐ driver.type("text")

Solution -

sendKeys("text")

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Define the main functionalities of the software and the constraints around them..

- 1 ☒ Software verification ✓
- 2 ☐ Software evolution
- 3 ☐ Software design
- 4 ☐ Software specification

Solution -

Software verification

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Which diagram that helps to show Dynamic aspects related to a system?

- 1 ☒ sequence diagram ✓
- 2 ☐ interaction diagram
- 3 ☐ deployment diagram
- 4 ☐ use case

Solution -

sequence diagram

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The repository model supported by Git is..

- 1 ☐ Client-server
- 2 ☒ Distributed ✓
- 3 ☐ Local

4 ☐ None of the above

Solution -

Distributed

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What is the main difference between Agile and DevOps?

- 1 ☐ Agile is a methodology for managing the software development process,
✓ while DevOps is a methodology for managing the software delivery
2 process
3 ☐ DevOps is a methodology for managing the software development
process, while Agile is a methodology for managing the software delivery
4 ☐ Agile and DevOps are the same
5 ☐ Agile is focused on developers, while DevOps is focused on operations
teams

Solution -

Agile is a methodology for managing the software development process, while DevOps is a methodology for managing the software delivery process

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Which of the following is not part of the Test document?

- 1 ☐ Test Case
2 ☐ Requirements Traceability Matrix [RTM]
3 ☐ Test strategy
4 ☐ Project Initiation Note [PIN] ✓

Solution -

Project Initiation Note [PIN]

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Code is checked in which type of testing?

- 1 ☐ Black box testing
- 2 ☐ Grey box testing
- 3 ☒ White box testing ✓
- 4 ☐ Red box testing

Solution -

White box testing

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_____ is basically an issue and project tracking tool which allows us to track any project related work by following a proper workflow.

- 1 ☐ Jenkins
- 2 ☒ Jira ✓
- 3 ☐ Docker
- 4 ☐ Kubernetes

Solution -

Jira

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What can be the duration range of a single Sprint?

- 1 ☐ One week
- 2 ☐ 6 weeks
- 3 ☒ 2-4 weeks ✓
- 4 ☐ 6-8 weeks

Solution -

2-4 weeks

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_____ is the ability to store something temporarily to reduce the loading times, and 1/O of a system.

- 1 ☐ Service registry
- 2 ☒ Cache ✓
- 3 ☐ Service Deployment
- 4 ☐ Chassis

Solution -

Cache

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Protocol allows you to access the client applications on HTTP for third-party providers like GitHub, Facebook, etc.

- 1 ☒ OAuth ✓

2 ☐ HTTP

3 ☐ HTTPS

4 ☐ FTP

Solution -

OAuth

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Which one of the following is a functional requirement?

1 ☐ Maintainability

2 ☐ Portability

3 ☐ Robustness

4 ☒ None of the mentioned ✓

Solution -

None of the mentioned

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Identify among given the incorrect software layers.

1 ☐ Process

2 ☒ Manufacturing ✓

3 ☐ Tools

4 ☐ Method

Solution -

Manufacturing

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To initialize git repository for the project that we intend to track using version control system, select the appropriate Git command

- 1 ☐ git add
- 2 ☐ git config
- 3 ☒ git init ✓
- 4 ☐ None of the above

Solution -

git init

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What is the primary goal of DevOps?

- 1 ☐ To improve communication and collaboration between development and operations teams
- 2 ☐ To increase the speed and efficiency of the software development lifecycle
- 3 ☐ To automate the deployment and management of software systems
- 4 ☒ All of the above ✓

Solution -

All of the above

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What is the main difference between Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)?

- 1 ☐ IaaS provides infrastructure, PaaS provides a platform, and SaaS provides software ✓
- 2 ☐ IaaS provides software, PaaS provides infrastructure, and SaaS provides a platform
- 3 ☐ IaaS provides a platform, PaaS provides software, and SaaS provides infrastructure
- 4 ☐ IaaS, PaaS, and SaaS are all the same

Solution -

IaaS provides infrastructure, PaaS provides a platform, and SaaS provides software

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In which type of relationship components cannot exist independent of their owner?

- 1 ☐ Aggregation
- 2 ☐ Generalization
- 3 ☐ Composition ✓
- 4 ☐ Delegation

Solution -

Composition

Which of the following phase acts as a bridge between the requirement analysis phase and the coding phase?

- 1 ☐ Feasibility Study Phase
- 2 ☐ Testing Phase
- 3 ☒ Design Phase ✓
- 4 ☐ Eliciting Requirement Phase

Solution -

Design Phase

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What is a Dockerfile?

- 1 ☐ Docker image that gets built by running a Docker command
- 2 ☒ A text file that contains all the commands needed to build a given image ✓
- 3 ☐ A running instance of a Docker image
- 4 ☐ A website where you can download Docker images

Solution -

A text file that contains all the commands needed to build a given image

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Complexity of developing, testing, and deploying the distributed system and handling partial failures account to the disadvantage of..??

- 2 ☒ Micro services ✓
- 3 ☐ both of the above
- 4 ☐ none of the above

Solution -

Micro services

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Among given below select the programming language not supported by Selenium WebDriver?

- 1 ☐ Java
- 2 ☐ C#
- 3 ☐ Python
- 4 ☒ Fortran ✓

Solution -

Fortran

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Select the most common set of instructions in Dockerfile?

- 1 ☒ FROM, LABEL, RUN, CMD ✓
- 2 ☐ SOURCE, LABEL, RUN, CMD
- 3 ☐ FROM, TAG, RUN, CMD
- 4 ☐ SOURCE, TAG, RUN, CMD

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An iterative process of system development in which requirements are converted to a working system that's continually revised through close work between an analyst and user is called as

- 1 ☐ Waterfall Modeling
- 2 ☒ Iterative Modeling ✓
- 3 ☐ Spiral Modeling
- 4 ☐ None of these above

Solution -

Iterative Modeling

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The command used to list all running Docker containers on a host is??

- 1 ☐ docker list
- 2 ☒ docker ps ✓
- 3 ☐ docker status
- 4 ☐ docker containers

Solution -

docker ps

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What command do you run to view the commit history of your repository?

- 1 ☒ git log ✓
- 2 ☐ git history
- 3 ☐ git past
- 4 ☐ git commit -h

Solution -

git log

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What is the function of a Kubernetes node?

- 1 ☐ To communicate with hosts on a network
- 2 ☒ To run pods according to master components ✓
- 3 ☐ To channel incoming data from multiple input ports to a specific port
- 4 ☐ None of the above

Solution -

To run pods according to master components

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Amazon S3 is which type of storage service?

- 1 ☒ Object storage ✓
- 2 ☐ Block storage
- 3 ☐ Simple storage

4 ☐ Secure storage

Solution -

Object storage

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SRS document is called black box specification of a system because

- 1 ☐ It does not contain the contradictory materials
- 2 ☐ It does not contain the user documentation
- 3 ☐ SRS document should specify only external behavior of the system ✓
- 4 ☐ None of the above

Solution -

SRS document should specify only external behavior of the system

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The measure of the degree to which each program module relies on each one of the other modules is known as..

- 1 ☒ Coupling ✓
- 2 ☐ Modularity
- 3 ☐ Layering
- 4 ☐ Cohesion

Solution -

Coupling

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