

Software engineering - LAB MCQs Exam

English ▼

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

Under which type of thinking strategy does Brainstorming fall?

- 1 ☐ Decision thinking
- 2 ☐ Analytic Thinking
- 3 ☐ Compassionate Thinking
- 4 ☒ Creative Thinking ✓

Solution -

Creative Thinking

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Which of the following is not a goal of the WebDriver API?

- 1 ☐ Emulate actions of users.
- 2 ☐ Provide record and playback of test steps. ✓
- 3 ☐ Maintain a standardized API.
- 4 ☐ Help developers and testers quickly and easily write automated tests.

Solution -

Provide record and playback of test steps.

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In WebDriver_____command can be used to enter values onto text boxes?

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

Solution -

driver.type("text")

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Which is true about Kubernetes?

- 1 ☐ Integrated Kubernetes solutions are available from most major cloud

✓ providers.

2

☐ Kubernetes is best suited to test environments and isn't mature enough for production use.

3

☐ Kubernetes is one of the newest orchestration platforms.

4

☐ It can only run Kubernetes containers.

Solution -

Integrated Kubernetes solutions are available from most major cloud providers.

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Which of the following views cannot be captured using UML diagram

1

☐ layer view

2

☐ User view

3

☐ Structural view

4

☐ All of the above ✓

Solution -

All of the above

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Which feature of OOPs helps in code reusability?

1

☐ Class

2

☐ Abstraction

3

☐ Inheritance ✓

4 ☐ Object

Solution -

Inheritance

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What is the basic operational unit of kubernetes?

1 ☐ Task

2 ☒ Pod ✓

3 ☐ Nodes

4 ☐ Container

Solution -

Pod

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Which of the following AWS services enables users to launch VM instances?

1 ☒ AWS EC2 ✓

2 ☐ AWS S3

3 ☐ AWS Lambda

4 ☐ AWS EBS

Solution -

AWS EC2

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DevOps is an extension of:

- 1 ☐ QA
- 2 ☒ Agile ✓
- 3 ☐ Waterfall
- 4 ☐ None of the above

Solution -

Agile

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Principles 1, 8, 9 and 10 of the Agile Manifesto describe prioritizing high-value work. What's a common way that agile teams prioritize their work?

- 1 ☒ They create a ranked list of what the customer finds valuable. ✓
- 2 ☐ They create detailed project requirements.
- 3 ☐ They meet with the customer to plan everything in the product before they start working.
- 4 ☐ They prioritize the work that would be the easiest to develop

Solution -

They create a ranked list of what the customer finds valuable.

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What is unique about Docker swarm?

1

☐ Docker swarm uses a MCP or "Master Control Program" to orchestrate system access.

2

☐ Docker swarm is much more decentralized than the other container platforms.

3

☐ Docker swarm is more centralized than the other platforms. ✓

4

☐ Docker swarm can run both VMs and containers.

Solution -

Docker swarm is more centralized than the other platforms.

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Which of the following Agile methodology advocates the use of problem domain?

1

☐ Evo

2

☐ Scrum

3

☐ Extreme programming (XP)

4

☐ Feature-Driven Development (FDD) ✓

Solution -

Feature-Driven Development (FDD)

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Which of the following languages is supported by Selenium WebDriver?

1

☐ Perl ✓

2

☐ <https://www.khanado.com/oldwebsite/testseries/topic/43>

3 ☐ ASP

4 ☐ C++

Solution -

Perl

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Which of the following type of virtualization is also characteristic of cloud computing?

1 ☐ Storage

2 ☐ Application

3 ☐ CPU

4 ☐ All of the above ✓

Solution -

All of the above

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In YAML, Explicit Tags are denoted using the symbol?

1 ☐ exclamation point (!) ✓

2 ☐ pipe character (|)

3 ☐ greater-than symbol (>)

4 ☐ question mark (?)

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UML supports _____ phases of software development

- 1 ☐ earlier
- 2 ☐ final
- 3 ☐ Middle
- 4 ☐ All of the above ✓

Solution -

All of the above

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Which of the following Docker command is used to access the running container?

- 1 ☐ docker run
- 2 ☐ docker exec ✓
- 3 ☐ docker build
- 4 ☐ docker pull

Solution -

docker exec

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Which of the following is not a version control system tool?

- 1 ☐ git

- 2 ☐ mercurial
- 3 ☐ Jenkins ✓
- 4 ☐ AWS Code Commit

Solution -

Jenkins

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What is the ideal sprint length in an Agile Development Model?

- 1 ☐ 2-4 weeks ✓
- 2 ☐ 1 week
- 3 ☐ 3-5 weeks
- 4 ☐ 3 weeks

Solution -

2-4 weeks

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In Jenkins, a _____ is used to display record of multiple builds.

- 1 ☐ Weather Icon
- 2 ☐ Coloured ball ✓
- 3 ☐ Coloured Square
- 4 ☐ Coloured ball and weather icon

Solution -

Coloured ball

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What comprises an infrastructure as a service (IaaS) model?

- 1 ☐ third-party improvements with software and hardware, which are difficult to offer when hosted internally.
- 2 ☐ increased speed and virtualization for an organization.
- 3 ☐ third-party provider that hosts, services, and maintains all aspects of the system on behalf of the end user. ✓
- 4 ☐ increased help on logic and coding issues for an organization's proprietary system.

Solution -

third-party provider that hosts, services, and maintains all aspects of the system on behalf of the end user.

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_____ is responsible for full software development life cycle while _____ is responsible for software testing life cycle.

- 1 ☐ Quality assurance, Quality control ✓
- 2 ☐ Quality control, Quality assurance,
- 3 ☐ Quality assurance, Quality control
- 4 ☐ Quality control, Quality control

Solution -

Quality assurance, Quality control

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Which of the following is the git command to download all the objects and references from a specific repository?

- 1 ☐ git log -n
- 2 ☐ git fetch ✓
- 3 ☐ git help
- 4 ☐ git config --list

Solution -

git fetch

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Which of the following activities is NOT fundamental to software engineering?

- 1 ☐ Software standardization ✓
- 2 ☐ Software Specification
- 3 ☐ Software validation
- 4 ☐ Software evolution

Solution -

Software standardization

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Which of the following statements is TRUE for an API gateway?

- 1 ☐ API Gateway is not the single entry point into a system
- 2 ☐ API Gateway is not responsible for request routing
- 3 ☒ API Gateway is a server ✓
- 4 ☐ API Gateway is not responsible for load balancing

Solution -

API Gateway is a server

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Which one of the following technique is applied for usability testing?

- 1 ☐ White box
- 2 ☒ Black box ✓
- 3 ☐ Grey box
- 4 ☐ All of the above

Solution -

Black box

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For project management, Jira is used for _____.

- 1 ☐ segmenting, executing, accounting, and reporting
- 2 ☐ planning, tracking, reporting, and releasing

- 3 ☐ brainstorming, exploring, planning, and executing ✓
- 4 ☐ motivating, grouping, analyzing, and plotting

Solution -

brainstorming, exploring, planning, and executing

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Which of the following command create an empty git repository or reinitialize an existing one?

- 1 ☐ git create
- 2 ☐ git init ✓
- 3 ☐ git initialize
- 4 ☐ git launch

Solution -

git init

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Which one of the following is delivered at the end of the Sprint?

- 1 ☐ A document containing test cases for the current sprint
- 2 ☐ An architectural design of the solution
- 3 ☐ An increment of done software ✓
- 4 ☐ Wireframes designs for User Interface

Solution -

An increment of done software

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Some of the agile frameworks are_____.

- 1 ☐ Scrum & kanban
- 2 ☐ Test given development
- 3 ☐ Feature given development
- 4 ☐ Dynamic system development method ✓

Solution -

Dynamic system development method

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Which of the following is the main advantage of deploying a 4GT model for producing small-scale products, programs, and applications?

- 1 ☐ The productivity of software engineers is improved.
- 2 ☐ The time required for developing software is reduced.
- 3 ☐ CASE tools and code generators help the 4GT model by providing a ✓ credible solution to their problems.
- 4 ☐ None of the above

Solution -

CASE tools and code generators help the 4GT model by providing a credible solution to their problems.

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What is true of protocol Aware Heterogeneous Interoperability for microservices?

- 1 ☐ Systems call other systems to do work.
- 2 ☐ All communications within the service boundaries are solved via ReST.
- 3 ☐ All communications use any technology they want. ✓
- 4 ☐ There is polyg st development everywhere.

Solution -

All communications use any technology they want.

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Which of the following architectural layer is used as front end in cloud computing

- 1 ☐ Cloud
- 2 ☐ Client ✓
- 3 ☐ Middle layer
- 4 ☐ Soft

Solution -

Client

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enviornment?

- 1 ☐ Continuous Integration
- 2 ☐ Continuous Delivery
- 3 ☐ Continuous Denigration
- 4 ☒ Continuous Deployment ✓

Solution -

Continuous Deployment

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Which command is used to push the code into git staging area?

- 1 ☐ git pull
- 2 ☒ git add ✓
- 3 ☐ git push
- 4 ☐ git commit

Solution -

git add

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At the core of a good regression test, we are making certain that_____.

- 1 ☐ no bugs exist
- 2 ☐ all bugs are fixed

- 3 ☐ nothing new has broken ✓
- 4 ☐ new bugs are identified

Solution -

nothing new has broken

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What is the need for DevOps?

- 1 ☐ Decrease deployment frequency
- 2 ☐ Lower success rate of new releases ✓
- 3 ☐ Longer Development Cycle
- 4 ☐ Enhanced Version Control

Solution -

Lower success rate of new releases

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_____ provides complete isolation from the host operating system and the other Virtual Machines (VMs), so it is fully secure.

- 1 ☐ Virtualization
- 2 ☐ Containerization ✓
- 3 ☐ Security
- 4 ☐ Cloud

Solution -

Containerization