









Hard ware

Process





(//www.sanfoundry.com)

Software Engineering Multiple Choice Questions | MCQs | Quiz

Software Engineering Ethics - 1 (http://www.sanfoundry.com/software-engg-mcqs-software-engineering-ethics-1/)

Software Engineering Ethics - 2 (http://www.sanfoundry.com/software-engg-mcgs-software-engineering-ethics-2/)

Software Life Cycle Models (http://www.sanfoundry.com/software-engg-mcgs-software-life-cycle-models/)

Evolutionary Software Process Models (http://www.sanfoundry.com/software-engg-mcqs-evolutionary-software-process-models/)

Selection of a Life Cycle Model (http://www.sanfoundry.com/software-engg-mcqs-selection-life-cycle-model/)

Fourth Generation Techniques (http://www.sanfoundry.com/software-engg-mcqs-fourth-generation-techniques/)

Software Process and Product - 1 (http://www.sanfoundry.com/software-engg-mcqs-software-process-product-1/)

Software Process and Product - 2 (http://www.sanfoundry.com/software-engg-mcqs-software-process-product-2/)

Agile Software Development (http://www.sanfoundry.com/software-engg-mcqs-agile-software-development/) Extreme Programming (http://www.sanfoundry.com/software-engg-mcqs-extreme-

programming/) Requirement Engineering (http://www.sanfoundry.com/software-engg-mcqs-requirement-engineering/)

Functional and Non-Functional Requirements (http://www.sanfoundry.com/software-engg-mcqs-functional-non-functional-requirements/)

Requirement Elicitation (http://www.sanfoundry.com/software-engg-mcqs-requirement-elicitation/)

Requirement Elicitation Techniques - 1 (http://www.sanfoundry.com/software-engg-mcqs-requirement-elicitation-techniques-1/)

Requirement Elicitation Techniques - 2 (http://www.sanfoundry.com/software-engg-mcqs-requirement-elicitation-techniques-2/)

Requirement Analysis (http://www.sanfoundry.com/software-engg-mcqs-requirement-analysis/)

Requirement Documentation (http://www.sanfoundry.com/software-engg-mcqs-requirement-documentation/)

Requirement Management (http://www.sanfoundry.com/software-engq-mcgs-requirement-management/)

System Modelling - 1 (http://www.sanfoundry.com/software-engg-mcqs-system-modelling-1/)

System Modelling - 2 (http://www.sanfoundry.com/software-engg-mcqs-system-modelling-2/)

Software Evolution (http://www.sanfoundry.com/software-engg-mcqs-software-evolution/)

Sociotechnical Systems (http://www.sanfoundry.com/software-engg-mcqs-sociotechnical-systems/)

Dependability and Security (http://www.sanfoundry.com/software-engg-mcqs-dependability-security/)

Dependability and Security Specification (http://www.sanfoundry.com/software-engg-mcqs-dependability-security-specification/)

Dependability Engineering (http://www.sanfoundry.com/software-engg-mcqs-dependability-engineering/)

Security Engineering (http://www.sanfoundry.com/software-engg-mcqs-security-engineering/)

Dependability and Security Assurance (http://www.sanfoundry.com/software-engg-mcqs-dependability-security-assurance/)

Software Design (http://www.sanfoundry.com/software-engg-mcqs-software-design/)

Modularity in Software Design (http://www.sanfoundry.com/software-engg-mcqs-modularity-software-design/)

Function Oriented Software Design (http://www.sanfoundry.com/software-engg-mcqs-function-oriented-software-design/)

Function Oriented Design using Structured Analysis Structured Design (http://www.sanfoundry.com/software-engg-mcqs-function-oriented-design-using-sasd/)

 $Object\ Oriented\ Software\ Design\ -\ 1\ (http://www.sanfoundry.com/software-engg-mcqs-object-oriented-software-design-1/)$

 $Object\ Oriented\ Software\ Design\ -\ 2\ (http://www.sanfoundry.com/software-engg-mcqs-object-oriented-software-design-2/)$

Types of Software Metrics (http://www.sanfoundry.com/software-engg-mcqs-types-software-metrics/)

Web Engineering Project Metrics (http://www.sanfoundry.com/software-engg-mcqs-web-engineering-project-metrics/)

Metrics Analysis (http://www.sanfoundry.com/software-engg-mcqs-metrics-analysis/)

Metrics for Quality Control (http://www.sanfoundry.com/software-engg-mcqs-metrics-quality-control/)
Project Management (http://www.sanfoundry.com/software-engg-mcqs-project-management/)

Project Planning (http://www.sanfoundry.com/software-engg-mcqs-project-planning/)

Size and Cost Estimation of Software (http://www.sanfoundry.com/software-engg-mcgs-size-cost-estimation-software/)

Emperical Estimation Models (http://www.sanfoundry.com/software-engg-mcqs-empirical-estimation-models/)

Software Risks and Identification (http://www.sanfoundry.com/software-engg-mcgs-software-risks-identification/)

Risk Management (http://www.sanfoundry.com/software-engg-mcgs-risk-management/)

Decomposition Techniques in Software Project Planning (http://www.sanfoundry.com/software-engg-mcqs-decomposition-techniques-software-project-planning/)

Managing Software Projects - 1 (http://www.sanfoundry.com/software-engg-mcqs-managing-software-projects-1/)

Managing Software Projects - 2 (http://www.sanfoundry.com/software-engg-mcqs-managing-software-projects-2/)

Project Scheduling and Tracking (http://www.sanfoundry.com/software-engg-mcqs-project-scheduling-tracking/)

Software Maintenance - 1 (http://www.sanfoundry.com/software-engg-mcqs-software-maintenance-1/) Software Maintenance - 2 (http://www.sanfoundry.com/software-engg-mcqs-software-maintenance-2/)

Software Certification (http://www.sanfoundry.com/software-engg-mcqs-software-certification/)

Process Improvement (http://www.sanfoundry.com/software-engg-mcqs-process-improvement/)

Software Quality Assurance (http://www.sanfoundry.com/software-engg-mcqs-software-quality-assurance/)

ISO 9001 and CMM (http://www.sanfoundry.com/software-engg-mcqs-iso-9001-cmm/)

Software Configuration Management - 1 (http://www.sanfoundry.com/software-engg-mcqs-software-configuration-management-1/)

Software Configuration Management - 2 (http://www.sanfoundry.com/software-engg-mcqs-software-configuration-management-2/)

Architectural Design (http://www.sanfoundry.com/software-engg-mcqs-architectural-design/)

Architectural Patterns (http://www.sanfoundry.com/software-engg-mcqs-architectural-patterns/) Application Architectures (http://www.sanfoundry.com/software-engg-mcqs-application-architectures/)

Unified Modelling Language (http://www.sanfoundry.com/software-engg-mcgs-unified-modelling-language/)

Building Blocks of UML (http://www.sanfoundry.com/software-engg-mcqs-building-blocks-uml/)

 $Diagrams\ in\ UML\ -\ 1\ (http://www.sanfoundry.com/software-engg-mcqs-diagrams-uml-1/)$

Diagrams in UML - 2 (http://www.sanfoundry.com/software-engg-mcqs-diagrams-uml-2/)

 $Object\ Oriented\ Design\ using\ UML\ (http://www.sanfoundry.com/software-engg-mcqs-object-oriented-design-UML/) and the property of the pro$

Analysis Modelling (http://www.sanfoundry.com/software-engg-mcqs-analysis-modelling/)

Component Level Design (http://www.sanfoundry.com/software-engg-mcqs-component-level-design/)

User Interface Design (http://www.sanfoundry.com/software-engg-mcqs-user-interface-design/)

Test Case Design (http://www.sanfoundry.com/software-engg-mcqs-test-case-design/)

Software Design Pattern (http://www.sanfoundry.com/software-engg-mcqs-software-design-pattern/)

Software Reuse (http://www.sanfoundry.com/software-engg-mcqs-software-reuse/)

Application Frameworks in Software Reuse (http://www.sanfoundry.com/software-engg-mcqs-application-frameworks-software-reuse/)

Formal Methods of Software Engineering (http://www.sanfoundry.com/software-engq-mcqs-formal-methods-software-engineering/)

Cleanroom Software Engineering (http://www.sanfoundry.com/software-engg-mcqs-cleanroom-software-engineering/)

 $Component\ Based\ Software\ Engineering\ (http://www.sanfoundry.com/software-engg-mcqs-component-based-software-engineering/)$

Distributed Software Engineering (http://www.sanfoundry.com/software-engg-mcqs-distributed-software-engineering/)

Service Oriented Architecture (http://www.sanfoundry.com/software-engg-mcqs-service-oriented-architecture/)

Embedded Software (http://www.sanfoundry.com/software-engg-mcgs-embedded-software/)

Aspect Oriented Software Engineering (http://www.sanfoundry.com/software-engg-mcqs-aspect-oriented-software-engineering/)

Client Server Software Engineering (http://www.sanfoundry.com/software-engg-mcqs-client-server-software-engineering/)

Web Engineering (http://www.sanfoundry.com/software-engg-mcqs-web-engineering/)

Software Re-engineering (http://www.sanfoundry.com/software-engg-mcqs-software-re-engineering/)

Reverse Engineering (http://www.sanfoundry.com/software-engg-mcqs-reverse-engineering/)

Computer Aided Software Engineering (http://www.sanfoundry.com/software-engg-mcqs-computer-aided-software-engineering/)

Using CASE Tools (http://www.sanfoundry.com/software-engg-mcqs-using-case-tools/)

Software Reliability (http://www.sanfoundry.com/software-engg-mcqs-software-reliability/)

Fault Tolerance (http://www.sanfoundry.com/software-engg-mcqs-fault-tolerance/)

Software Reliability Models (http://www.sanfoundry.com/software-engg-mcqs-software-reliability-models/)

Software Testing Techniques - 1 (http://www.sanfoundry.com/software-engg-mcqs-software-testing-techniques-1/)

Software Testing Techniques - 2 (http://www.sanfoundry.com/software-engg-mcqs-software-testing-techniques-2/)

Software Testing Strategies (http://www.sanfoundry.com/software-engg-mcqs-software-testing-strategies/)

Object Oriented Testing (http://www.sanfoundry.com/software-engg-mcqs-object-oriented-testing/)

Debugging Techniques and Approaches (http://www.sanfoundry.com/software-engg-mcqs-debugging-techniques-approaches/)

Testing Tools (http://www.sanfoundry.com/software-engg-mcgs-testing-tools/)

Software Monitoring (http://www.sanfoundry.com/software-engg-mcgs-software-monitoring/)

Software Control (http://www.sanfoundry.com/software-engg-mcgs-software-control/)

Quality Management (http://www.sanfoundry.com/software-engg-mcqs-quality-management/)

Software Engineering Books (http://www.sanfoundry.com/best-reference-books-software-engineering/)

« Prev Page (http://www.sanfoundry.com/software-engq-mcgs-quality-management/)

Next Page (http://www.sanfoundry.com/software-engg-mcqs-managing-software-projects-1/) »

Software Engineering Questions and Answers - Building Blocks of UML

This section on Software Engineering MCQs focuses on "Building Blocks of UML".

- 1. Which of the following is a building block of UML?
- a) Things
- b) Relationships
- c) Diagrams
- d) All of the mentioned

View Answer

Answer:d

Explanation: All are the building blocks of UML which are further sub-categorized.

- 2. Classes and interfaces are a part of
- a) Structural things
- b) Behavioral things
- c) Grouping things
- d) Annotational things

View Answer

Answer:a

Explanation:Structural things are mostly static parts of a model, representing elements that are either conceptual or physical.

- 3. What is a collection of operations that specify a service of a class or component?
- a) Use Case
- b) Actor
- c) Interface
- d) Relationship

View Answer

Answer:

Explanation: The answer is self explanatory.

- 4. What is a physical element that exists at run time in UML?
- a) A node
- b) An interface
- c) An activity
- d) None of the mentioned

View Answer

Answer:

Explanation: A node represents a computational resource.

5. What can be requested from any object of the class to affect behavior?
a) object b) attribute
c) operation
d) instance
View Answer
Answer:c Explanation:An operation is the implementation of a service that can be requested from any object of the class to affect behavior.
6. Which things are dynamic parts of UML models? a) Structural things
b) Behavioral things
c) Grouping things d) Annotational things
View Answer
Answer:b Explanation:These are the verbs of a model, representing behavior over time and space.
7. Which diagram in UML emphasizes the time-ordering of messages? a) Activity
b) Sequence
c) Collaboration d) Class
View Answer
Answer:b
Explanation:This diagram is a model describing how groups of objects collaborate in some behavior over time.
8. Object diagram captures the behavior of a single use case.
a) True
b) False View Answer
Answer:b
Explanation:Sequence Diagram is responsible for this.
9. If you are working on real-time process control applications or systems that involve concurrent processing, you would use a
a) Activity diagram
b) Sequence diagram c) Statechart diagram
d) Object diagram
View Answer
Answer:c Explanation:A statechart diagram shows a state machine, consisting of states, transitions, events, and activities.
10. Which diagram shows the configuration of run-time processing elements?
a) Deployment diagram b) Component diagram
c) Node diagram
d) ER-diagram
View Answer
Answer:a Explanation: A Deployment diagram shows the configuration of run-time processing elements and the software components, processes, and objects.
11. Which things in UML are the explanatory parts of UML models?
a) Structural things b) Behavioral things
c) Grouping things
d) Annotational things
View Answer
Answer:d Explanation:It include a note which is simply a symbol for rendering constraints and comments attached to an element or a collection of elements.
12. Which of the following term is best defined by the statement:"a structural relationship that specifies that objects of one thing are connected to objects of another"?
a) Association b) Aggregation
c) Realization
d) Generalization

View Answer

Answer:a

Explanation: The answer is self explanatory.

- 13. What refers to the value associated with a specific attribute of an object and to any actions or side?
- a) Object
- b) State
- c) Interface
- d) None of the mentioned

View Answer

Answer:b

Explanation: In a state chart diagram, effects occur when the attribute's value changes.

Sanfoundry Global Education & Learning Series - Software Engineering.

Here's the list of Best Reference Books in Software Engineering (http://www.sanfoundry.com/best-reference-books-software-engineering/).

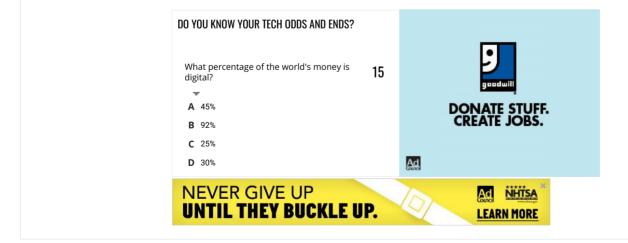
To practice all areas of Software Engineering, <u>here is complete set of 1000+ Multiple Choice Questions and Answers on Software Engineering (http://www.sanfoundry.com/software-engineering-questions-answers/).</u>

- « Prev Page Software Engineering Questions and Answers Quality Management (http://www.sanfoundry.com/software-engg-mcqs-quality-management/)
- » Next Page Software Engineering Questions and Answers Managing Software Projects 1 (http://www.sanfoundry.com/software-engg-mcqs-managing-software-projects-1/)



Deep Dive @ Sanfoundry:

- 1. BOOTP Relay Training (http://www.sanfoundry.com/bootp-relay-training/)
- 2. Engineering College Projects Summer and End Semesters (http://www.sanfoundry.com/college-projects-engineering/)
- 3. Best Reference Books Technology, Engineering and Sciences (http://www.sanfoundry.com/best-reference-books-tech-engineering-sciences/)
- 4. Training on Linux Software RAID Driver Design & Implementation (http://www.sanfoundry.com/software-raid-design-training/)
- 5. Training on Cluster Software Design & Implementation on Linux (http://www.sanfoundry.com/cluster-software-design-training/)
- 6. Training on Kernel Level Snapshot Software Design & Implementation on Linux (http://www.sanfoundry.com/snapshot-software-design-training/)
- 7. Training on Linux Multipath Software Design & Implementation (http://www.sanfoundry.com/multipath-software-design-training/)
- 8. Training on Kernel Level CDP Software Design & Implementation on Linux (http://www.sanfoundry.com/cdp-software-design-training/)
- 9. Software Architecture & Design Questions and Answers (http://www.sanfoundry.com/software-architecture-design-questions-answers/)
- 10. Software Engineering Questions & Answers (http://www.sanfoundry.com/software-engineering-questions-answers/)



Manish Bhojasia (http://www.sanfoundry.com/about/), a technology veteran with 20+ years @ Cisco & Wipro, is Founder and CTO at Sanfoundry. He is Linux Kernel Developer and SAN Architect and is passionate about competency developments in these areas. He lives in Bangalore and delivers focused training sessions to IT professionals in Linux Kernel, Linux Debugging, Linux Device Drivers, Linux Networking, Linux Storage & Cluster Administration, Advanced C Programming, SAN Storage Technologies, SCSI Internals and Storage Protocols such as iSCSI & Fiber Channel. Stay connected with him below:

LinkedIn (http://www.linkedin.com/in/manishbhojasia) | Facebook (http://www.facebook.com/sanfoundry) | Twitter (http://www.twitter.com/sanfoundry) | Google+ (https://plus.google.com/104408026570656234343/posts)



Subscribe Sanfoundry Newsletter and Posts		
Name*		
Email*		
Subscribe		
Best Careers		
Developer Tracks (http://www.sanfoundry.com/salary-50l/) SAN Developer (http://www.sanfoundry.com/san-storage-developer-training-courses/) Linux Kernel Developer (http://www.sanfoundry.com/linux-kernel-developer-training-courses-jobs/) Linux Driver Developer (http://www.sanfoundry.com/linux-device-driver-developer-training/) Linux Network Developer (http://www.sanfoundry.com/linux-network-developer-training/) Live Training Photos (http://www.sanfoundry.com/sanfoundry-classes/) Mentoring (http://www.sanfoundry.com/professional-mentoring-coaching-career-guidance-cto/) Software Productivity (http://www.sanfoundry.com/programming-discipline-and-software/) GDB Assignment (http://www.sanfoundry.com/gdb-example-tutorial/)		

Sanfoundry is **No. 1** choice for Deep Hands-ON Trainings in **SAN, Linux & C, Kernel Programming**. Our Founder has trained employees of almost all Top Companies in India such as VMware, Citrix, Oracle, Motorola, Ericsson, Aricent, HP, Intuit, Microsoft, Cisco, SAP Labs, Siemens, Symantec, Redhat, Chelsio, Cavium, ST-Micro, Samsung, LG-Soft, Wipro, TCS, HCL, IBM, Accenture, HSBC, Mphasis, Tata-Elxsi, Tata VSNL, Mindtree, Cognizant and Startups.



Best Trainings

SAN I - Technology (http://www.sanfoundry.com/san-storage-area-networks-training/)

SAN II - Admin (http://www.sanfoundry.com/san-administration-training-course/)

Linux Fundamentals (http://www.sanfoundry.com/linux-administration-training/)

Advanced C Training (http://www.sanfoundry.com/advanced-c-programming-training/)

Linux-C Debugging (http://www.sanfoundry.com/training-on-linux-debugging-techniques/)

System Programming (http://www.sanfoundry.com/training-on-linux-internals-systems/)

Network Programming (http://www.sanfoundry.com/training-socket-network-programming/) Linux Threads (http://www.sanfoundry.com/training-multithreaded-parallel/)

Kernel Programming (http://www.sanfoundrv.com/linux-kernel-internals-training/)

Kernel Debugging (http://www.sanfoundry.com/linux-kernel-debugging-training/)

Linux Device Drivers (http://www.sanfoundry.com/training-on-linux-device-drivers/)

Best Reference Books

Computer Science Books (http://www.sanfoundry.com/best-reference-books-computer-science-engineering/)

Algorithm & Programming Books (http://www.sanfoundry.com/best-reference-books-programming-hot-technologies)

Electronics Engineering Books (http://www.sanfoundry.com/best-reference-books-electrical-electronics-engineering/)

Electrical Engineering Books (http://www.sanfoundry.com/best-reference-books-electrical-electronics-engineering/)

Chemical Engineering Books (http://www.sanfoundry.com/best-reference-books-chemical-engineering/)

Civil Engineering Books (http://www.sanfoundry.com/best-reference-books-civil-engineering/)

Mechanical Engineering Books (http://www.sanfoundry.com/best-reference-books-mechanical-engineering/)

Industrial Engineering Books (http://www.sanfoundry.com/best-reference-books-industrial-engineering-operations-research/)

Instrumentation Engg Books (http://www.sanfoundry.com/best-reference-books-instrumentation-engineering/)

Metallurgical Engineering Books (http://www.sanfoundry.com/best-reference-books-metallurgical-engineering/)

All Stream Best Books (http://www.sanfoundry.com/best-reference-books-tech-engineering-sciences/)

Questions and Answers

1000 C Questions & Answers (http://www.sanfoundry.com/c-interview-questions-answers/)

1000 C++ Questions & Answers (http://www.sanfoundry.com/cplusplus-interview-questions-answers/)

1000 C# Questions & Answers (http://www.sanfoundry.com/1000-csharp-questions-answers/)

1000 Java Questions & Answers (http://www.sanfoundry.com/java-questions-answers-freshers-experienced/)

1000 Linux Questions & Answers (http://www.sanfoundry.com/technical-interview-questions/)

1000 Python Questions (http://www.sanfoundry.com/1000-python-questions-answers/)

1000 PHP Questions & Answers (http://www.sanfoundry.com/1000-php-questions-answers/)

1000 Hadoop Questions (http://www.sanfoundry.com/1000-hadoop-questions-answers/)

Cloud Computing Questions (http://www.sanfoundry.com/1000-cloud-computing-questions-answers/)

Computer Science Questions (http://www.sanfoundry.com/computer-science-questions-answers/)

All Stream Questions & Answers (http://www.sanfoundry.com/)

India Internships

Computer Science Internships (http://www.sanfoundry.com/internships-computer-science-engineering/)

Instrumentation Internships (http://www.sanfoundry.com/internships-instrumentation-engineering/)

Electronics Internships (http://www.sanfoundry.com/internships-electronics-electrical-engineering/)

Electrical Internships (http://www.sanfoundry.com/internships-electronics-electrical-engineering/)

Mechanical Internships (http://www.sanfoundry.com/internships-mechanical-engineering/)

Industrial Internships (http://www.sanfoundry.com/internship-industrial-engineering/)

Systems Internships (http://www.sanfoundry.com/internships-systems-control-engineering/)

Chemical Internships (http://www.sanfoundry.com/internships-chemical-engineering/) Civil Internships (http://www.sanfoundry.com/internships-civil-engineering/)