

310-051 Practice Test

SUN SUN CERTIFIED ENITRPRISE ARCHITECT FOR J2EE(tm) TECHNOLOGY

**310-051: SUN CERTIFIED ENITRPRISE ARCHITECT FOR J2EE(tm)
TECHNOLOGY**

Practice Exam: 310-051 Exams

Exam Number/Code: 310-051

Exam Name: SUN CERTIFIED ENITRPRISE ARCHITECT FOR J2EE(tm)
TECHNOLOGY

Questions and Answers: 96 Q&As

(SUN Other Certifications)



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Title : Sun Certified Enitrpise Architect for J2EE(TM)Technology

1. Which pattern is the most appropriate for allowing transparent access to a remote object?

- A. Proxy
- B. Facade
- C. Memento
- D. Singleton
- E. Command

Answer: A

2. Which two statements about the lifecycle of a session bean are true? (Choose two.)

- A. The data in a stateful session bean survives a server's crash.
- B. A server that has crashed and been restarted can deserialize cached data for a stateful session bean.
- C. A session bean instance can be recreated through the use of a handle.
- D. Client should be prepared to recreate a session bean in the event of a server crash.

Answer: CD

3. Which statement about an EJB container's lifecycle management of session beans is true?

- A. The container can activate a session bean to free limited resources.
- B. The container can passivate a stateless session bean to free limited resources.
- C. A developer can specify a timeout in the deployment tool that causes a container to remove the bean after the timeout period.
- D. A developer can specify a timeout in the deployment tool that causes a container to remove a bean whose transaction has not been committed within the timeout period.

Answer: C

4. A telemarketing company is building an enterprise system to allow the sales staff to access contact information over an intranet. All of the contact information is stored in a legacy system and can only be accessed using a VT100

terminal session. You must create an architecture to access that legacy system.

Which component should you use to encapsulate access to the legacy system?

- A. a Java class that uses a screen-scraping tool to interact with the legacy system
- B. a distributed CORBA object that uses IIOP to interact directly with the legacy system
- C. an EJB session bean that uses JMS to send asynchronous messages to the legacy system
- D. an EJB entity bean that uses container-managed persistence to encapsulate the legacy system

Answer: A

5. You have been tasked with Web-enabling your backend order-entry services using J2EE technology. Your services are mainframe-based, and all have C APIs. All client access must be through the Web server, and all new business logic will be in EJB. Which two architectural solutions are appropriate for your new order-entry system? (Choose two.)

- A. wrap J2EE technology around the existing services
- B. wrap the existing services around J2EE technology
- C. have JSP use Java objects to make EJB business calls
- D. put the business logic in Java objects called by JSP, and have the JSP make EJB business calls

Answer: AC

6. You have been tasked to create an architecture which has EJB making calls on legacy services. The legacy services all run on UNIX machines and provide Java network APIs. Each invocation on the EJB must be in a transaction.

How can the EJB transaction adhere to the ACID properties when making a legacy service call?

- A. let the EJB container manage the transaction
- B. make sure the EJB is an entity bean and have the state automatically managed
- C. have the EJB monitor the service call completion and roll back the EJB state if necessary
- D. mark the EJB as Container Managed Transaction and have the bean demarcate the transaction

Answer: C

7. Which two services does EJB provide? (Choose two.)

- A. HTML generation
- B. transaction services
- C. lifecycle management
- D. remote-method invocation

Answer: BC

8. Which pattern allows dependent objects to be notified when an object changes state?

- A. Mediator
- B. Observer
- C. Decorator
- D. Interpreter
- E. Command

Answer: B

9. What are two features of IIOP? (Choose two.)

- A. It is secure.
- B. It is connectionless.
- C. It is connection-based.
- D. It is used for load balancing.
- E. It is used for hypermedia requests.
- F. It is used for remote-object communications.

Answer: CF

10. What are two benefits of the Iterator pattern? (Choose two.)

- A. It organizes collections into tree structures.

- B. It performs a task for each object it visits in the collection.
- C. It supports traversing the same collection in different orders.
- D. Multiple Iterators can traverse the same collection simultaneously.

Answer: CD

11. Click the Exhibit button.

then click the Tile button. You have been hired to design a service-based architecture for your customer. The requirement is to integrate the existing services and provide web access.

The customer design team has drawn up a suggested architecture as shown in the Exhibit. Their suggested architecture shows the Web server making requests to the relevant service and having service-to-service communication handle the business request.

Which two statements are false about the suggested architecture? (Choose two.)

- A. The suggested architecture may require new service-to-service communication to support new business functionality.
- B. The suggested architecture puts the burden on the service-to-service communication to support new business functionality.
- C. The suggested architecture will not require new service-to-service communication to support new business functionality.
- D. Introducing EJB into the suggested architecture would require having the services communicating with the EJB as if it was another service.

Answer: CD

12. Which statement is true about pooling entity beans?

- A. Pooling entity beans can increase reliability.
- B. Pooling entity beans can increase scalability.
- C. Pooling entity beans can increase extensibility.
- D. Pooling entity beans has no effect on scalability or reliability.

Answer: B

13. Which statement about passivating session beans is true?

- A. The passivated stateless session bean should close all connections before being passivated.
- B. The container ensures that the passivated bean's open connections are closed or returned to the connection pool.
- C. The container ensures that the passivated stateless session bean is reassigned to the remote object upon activation.
- D. The passivated stateful session bean should open the connections in activation that were closed when it was passivated.

Answer: D

14. Your client is a bank that wants to allow its customers to access their bank accounts over the Internet. Given the following requirements, which protocol communicates with the Web browsers?

Confidential information must be protected.

Customers will access their account using only a simple Web browser with no extensions.

- A. IIOP
- B. HTTP
- C. SNMP
- D. HTTPS

Answer: D

15. Which two features of a firewall might interfere with the operation of IIOP? (Choose two.)

- A. port filtering
- B. load balancing
- C. address filtering
- D. network address translation

Answer: AC

16. Which three are limitations of design patterns? (Choose three.)

- A. They can complicate a design.
- B. They are limited to Java and C++.
- C. They can introduce performance problems.
- D. They do not provide an implementation for a specific problem.

Answer: ACD

17. Which design pattern is represented by the JDBC ResultSet class?

- A. Bridge
- B. Iterator
- C. Composite
- D. Factory Method

Answer: B

18. A toy company is building an enterprise system to allow the sales staff to place customer orders over an intranet. All orders must be placed using a legacy system running MQSeries. You must create an architecture to interact with that legacy system.

How would you encapsulate interaction with that legacy system?

- A. with an EJB session bean that uses a screen scraping tool
- B. with a distributed CORBA object that uses IIOP to message the legacy system
- C. with a Java class that uses JMS to send asynchronous messages to the legacy system
- D. with an EJB entity bean that uses container-managed persistence to encapsulate the legacy system

Answer: C

19. These are the requirements for your new system:

All current business logic is in the form of database-stored procedures.

All current and new business logic is to be migrated to EJB.

The system is an online, Web-based system. The UI is HTML-based.

There are three EJBs: Customer, Order, and Account. There is one Java object, ShoppingList, which holds the current list of ordered items.

Only account and order data are stored in the database.

The Customer EJB maintains a reference to the ShoppingList.

Which three architectural decisions adhere to the requirements? (Choose three.)

- A. make Order and Account an entity EJB
- B. make Customer a stateful-session EJB
- C. make Customer a stateless-session EJB
- D. make Customer an entity EJB and put business logic in it
- E. make Customer a session EJB and put business logic in it
- F. use the Container Managed Persistence policy for the Customer session EJB

Answer: ABE

20. You are developing an HR application with the following requirements:

Users access the systems over an intranet, using a standard Web browser.

Organization information is stored in LDAP.

Benefits information is stored in an RDBMS.

Complaints are sent directly to a third-party system for compliance.

Which J2EE technology would send messages to the third-party complaint system?

- A. EJB
- B. JSP
- C. JMS
- D. JTA

E. JNDI
F. JDBC
Answer: C

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