

# Synchronous and Asynchronous Messaging

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## 1. Synchronous and Asynchronous Messaging

## 4. Chapter: Synchronous and Asynchronous Messaging

### 1. Synchronous and Asynchronous Messaging Questions

#### 4.1.1. Which of the following applications are appropriate to communicate ...

Author: JavaChamp Team

Which of the following applications are appropriate to communicate asynchronously?

Please choose all the answers that apply:

- Courses registration in a university, where courses availability must be checked by another application before registering the course
- Email services (sending and receiving emails)
- A client sends a document (such as an XML document) to a travel agency service requesting arrangements for a particular trip

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#### 4.1.2. What is TRUE about synchronous and asynchronous communications?

Author: JavaChamp Team

What is TRUE about synchronous and asynchronous communications?

Please choose all the answers that apply:

- In an asynchronous communication, the requester of a service must wait for a response from the service
- In synchronous communication, the requester of a service must wait for a response from the service
- In synchronous communication, both parties must be active
- Synchronous communication overcomes asynchronous communication in terms of performance

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### 4.1.3. Which of the following is FALSE?

Author: JavaChamp Team

Which of the following is FALSE?

Please choose only one answer:

- the asynchronous consumer is notified when new messages arrive
- The synchronous consumer client checks and collects messages from destination and doesn't wait for notifications from destination
- An asynchronous consumer client checks the destination in time-intervals for any new messages

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#### 4.1.4. Which is true about synchronous and asynchronous messaging in JMS?

Author: JavaChamp Team

Which is true about synchronous and asynchronous messaging in JMS?

Please choose all the answers that apply:

- a QueueReceiver or a TopicSubscriber in JMS, use the receive() method to consume a message synchronously
- a QueueReceiver or a TopicSubscriber in JMS, must use a message listener to consume a message synchronously
- a QueueReceiver or a TopicSubscriber in JMS, can consume a message asynchronously by using a message listener
- in asynchronous messaging, the onMessage() method of the consumer is invoked when a message arrives

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#### 4.1.5. Which is considered an asynchronous protocol?

Author: JavaChamp Team

Which is considered an asynchronous protocol?

Please choose only one answer:

- Remote Procedure Call (RPC)
- Remote Method Invocation (RMI)
- Java Messaging Service (JMS)
- HTTP

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