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# IBM WebSphere MQ V7 Programming Using JMS Information

<b>Length:</b>	3.0 Days
<b>Ref:</b>	WM515G-X
<b>Delivery method:</b>	ClassroomInstructor Led Online
<b>Price:</b>	EUR

## Overview

This intermediate level course teaches Java application programmers how to use the Java JMS API to develop basic WebSphere MQ applications. You learn about the interoperability of JMS and the new Message Queue Interface (MQI) in WebSphere MQ V7. The course provides extensive hands-on lab exercises to give you the opportunity to practice the skills that you learn in class.

The lab environment for this course uses the Windows platform.

For information about other related courses, visit the IBM Training website:  
<http://www.ibm.com/training>

## Public

This intermediate course is designed for Java programmers who want to learn how to use the Java JMS API to develop basic WebSphere MQ applications.

## Prerequisites

You should:

- Have a basic understanding of the concepts and principles of WebSphere MQ, as taught in*Technical Introduction to WebSphere MQ* (WM102G)
- Be able to program in Java

## Objective

- Describe concepts of the JMS specification
- Explain how WebSphere MQ implements JMS support
- Design and develop application programs for Java JMS WebSphere MQ environments
- Develop WebSphere MQ programs that use JMS
- Work with JMS administered objects
- Work with queues and messages

- Work with JMS point-to-point and publish/subscribe models
- Handle and manage exceptions
- Use WebSphere MQ-specific functions
- Develop message-driven beans
- Describe how WebSphere MQ supports the JMS and J2EE standards

## Topics

- Course introduction
- Introduction to messaging, JMS, and WebSphere MQ
- JMS architecture
- JMS administration
- Exercise: IBM WebSphere MQ and JMS administration
- Defining, producing, and consuming JMS messages
- Point-to-point programming
- Exercise: Sending and receiving messages
- Exercise: Using the request/reply pattern
- Publish/subscribe programming
- Exercise: Publish/subscribe messaging
- Transactions
- Exercise: Working with transactions
- WebSphere MQ-specific functions
- Security
- Message-driven beans
- Exercise: Writing a bean-based application
- Course summary