What is JMS:

Java Messaging service

Message: the peaceof information,that will be exchanged b.w two parites

Bites of data,which may or may not run same platform

Messaging: communication between two system components or two different applications which are loosely coupled unlike its peers like TCP sockets,corba or RMI

Advantages:

1. Reliability

2. Delivery

3. Reduce system Bottlenecks

4. Ability to integrate different platforms

JMS is a java oriented MOM (message oriented middle ware) API for sending messages between two or more clients. JMS is part of java enterprise edition

* Is a specification that describes a common way for java programs to create send receive and read distributed enterprise messages
* Loosely coupled communication
* Asynchronous messaging
* Reliable delivery

JMS Components:

1.JMS Provider: Active MQ or IBM MQA

2.JMS Client: java applications that produces or receives messages

3.JMS Producer / publisher : a JMS client that produces or creates messages

4. JMS consumer/ subscriber: A JMS client that receives messages

JMS application: combination of many JMS clients with typically one JMS provider

Weblogic,MQ series,sonic mq,tibco EMS,apache active MQ

Two types of JMS are available

1. One point to point (Queue system First in First out, each message has only one consumer)
2. Publish/ subscriber (uses topic to send and receive messages)

Durable and non durable(each message has multiple consumer)

Durable requires data base between publisher and receiver

Sends receives or consumes and acknowledgement are3 important things in the poin to point