



TEMARIO CURSO JAVA SL-285

Duración: 40 horas

Module 1: Java Application Design

- Explain the goals of each phase of the software development cycle
- Demonstrate an understanding of the Java Runtime Environment by relating the application components to the appropriate type of program
- Discuss the basic elements of application programming interface (API) design
- Define the BrokerTool program components given the functional requirements of the project

Module 2: Managing Database Queries

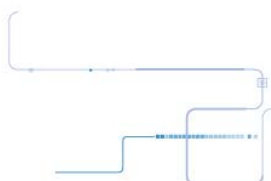
- Understand relational database design
- Explain Codd's first three rules of relational database design
- Construct mSQL queries
- Create a connection to an mSQL database
- Extract information from an mSQL database
- Implement the API defined for the Database class

Module 3: Introduction to JDBC

- Explain what JDBC is
- Understand how using the abstraction layer provided by JDBC can make your database front-end portable across platforms
- Describe the five major tasks involved with the JDBC programmer's interface
- State the requirements of a JDBC driver and its relationship to the JDBC driver manager

Module 4: Networking Connections

- Create a class to read live-feed data from a socket connection
- Integrate your new class with a TickerTape class to create the scrolling ticker tape "look" to the data as you read it from the live-feed application
- Test your code, and consider how you will handle any error conditions encountered with the connection





- Integrate the final TickerTape class into the BrokerTool application

Module 5: Multiple-Tier Database Design

- Understand one-, two-, and three-tier database architecture
- Understand the issues related to implementing a three-tier design
- Create a multiple-tier Java applet or application

Module 6: Porting Considerations and Wrap-Up

- Enumerate issues involved in porting between Solaris and Windows NT environments
- Demonstrate the success of your modular design by building hybrid applications mixing server and client modules
- Describe how design decisions made in program design now affect the extensibility of the application
- Debug problems, should they arise, when interchanging modules

