



Advanced Kx Course Outline

Day 1	
Functions	A review of stored procedures and functions. Also a description of all q key words (dev, wavg, type etc.).
q Startup Options	A short description of all the q start up options.
IPC	A basic introduction to q inter-process communication. Opening sockets. Synch/asynch messaging.
Attributes	A look at the various list attributes in kdb+ and how and when they should be used.
Importing Data	A detailed look at importing data from CSV files and various other formats e.g. mdf files.
Table Arithmetic	Applying simple arithmetic operations to tables and dictionaries.
ODBC	A look at kdb+ in relation to ODBC.
Day 2	
Advanced Web Interface	An in-depth look at the kdb+ web interface and associated functions. Creating and applying custom web look and feel for your database.
q.k/.q.q	A look at the roles of the q.k and q.q files with a detailed explanation of each function.
q Shortcuts (-x!)	A discussion on each of the -x! functions, what they do and where they are used.
Over Each Prior Next	A few examples on over, each, prior, prev & next and where they are helpful.
Joins	Simple joins between tables and/or dictionaries.
Day 3	
Slaves	The S option in kdb+. Where to use it and its limitations.
Functional/Dynamic Queries	Creating a dynamic query. Parsing the text format of a query into functional form.
Advanced Language Interfaces	An in-depth break down of the c* interface files.
Importing Foreign Libraries	Loading external libraries into q.
Tables on Disk	A breakdown of how kdb+ stores data on disk.
Memory Management	A detailed explanation of how q manages its memory stack.
Logging & Checkpointing	OLTP databases. Creating transactional databases.