Who Developed the q progamming language?	What does q stand for?	Is q compiled or interpreted?
Is q dynamically or statically typed?	What paradigm is q?	What data structures is q based on?
What character is used for division?	What data type does division return?	What does vector programming in q mean?

Interpreted	Query	Arthur Whitney of Kx
Lists and dictionaries	Functional	Statically typed
q can do operations on numeric lists automatically	Float	%

How do you write a list in q?	What operator counts a list of values?	What kind of precedence does q use?
What order are operators evaluated in?	What operator generates a list of numbers?	How do you write a list of booleans in q?
How much storage does a boolean take?	How do you compare two values?	How are dates computed under the covers?

All operators have the same precedence	`count`	Spaces between values e.g. `10 20 30`
0s and 1s followed by a 'b'	`til`	Right to left
A count of days from the millenium and time from midnight	`a=b`	1 byte

What would happen if you compared a date with an integer?	How do you define a month?	How do you cast?
How do you add a list of numbers?	Is q declarative or imperative programming and why?	What is the / operator and what does it do?
What is the | operator and what does it do?	What is the & operator and what does it do?	What is \ and what does it do?

`` `DATATYPE$VALUE ``	For January 2000, like this `2000.01m`	The interpreter would return a boolean because you can compare compatibile underlying values
It is often called "over" or "fold" and it takes an arithmetic operator to its left and uses it to operate across a whole list rather than just two numbers	q is declarative programming because you type what you want to do not how to do it	Initialise to zero and add across the list: `0 +/ 10 20 30 40 50`
Same as / but it keeps all the intermediate results	It returns the lesser of two values e.g. `x&y`	It returns the greater of two values e.g. `x|y`

What are two examples of writing a function that squares 5?	How would you show 16 decimal places in the console?	How would you retrieve x items from a list?
How do you join lists together?	How would you compute the first 10 numbers of the fibonacci sequence?	What does `deltas` do?
How do you assign the variable `a` with the value 42?	What is a table?	What is a column?

The # operator with a postive value retrieves x values from the start of the list and a negative values retrieves x values from the end of list	`\P 16`	`{[x]x*x}5` and `{x*x}5`
deltas computes the successive differences across a numeric list	`{x,sum -2#x}/[10;1 1]`	Using the , operator e.g. `10 20 , 30 40 50`
A list	A collection of columns	`a:42`

How do you sort a table called `t` by time within date?	How do you time a statement?	How do you open port 4242?
How do you connect to port 4242 on the same machine?	How do you write the fourth Hitchhiker's book title to the file /home/mike/hitchhiker	How do you read the file /home/mike/hitchhiker

\p 4242	Prepend \t to the statement	t:`date`time xasc t
read0 `:/home/mike/hitchhiker	`:/home/mike/hitchhiker 0: ("So long and thanks for all the fish")	hopen `::4242 or hopen `:localhost:4242