

Re: phrase search

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nicolas_laurent545@xxxxxxxxxxxx wrote:

Not mathematician, could someone explains to me in plain words what this pseudo code means. If you provide an example it would be very appreciated. I understand the first part.
Many thanks

Find set of documents D in which all keywords (k1...km) in phrase occur (using AND query processing).
Initialize empty set, R, of retrieved documents.

For each document, d, in D:
Get array, Pi ,of positions of occurrences for each ki in d
Find shortest array Ps of the Pi's
For each position p of keyword ks in Ps
For each keyword ki except ks
Use binary search to find a position (p - s + i) in the array Pi
If correct position for every keyword found, add d to R
Return R

What programming language(s) do you use?

For each of your variables, make a variable, those are all legal identifiers in pretty much every programming language so just use those names, identifiers.

Take the pseudo-code, and copy it directly into the source code file. Put it in the comments. Then, under each line of the pseudo-code, implement that.

Then, you have to figure out the type of the variables. For example, a "document set" might be a list of filenames or maybe they are database strings. Anyways you need to understand how to use containers of programmatic objects, so you can make one, saying it's the empty set means just don't add anything to it, or call the clear() method on it or so.

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Then there's what they call a "for loop", within it a nested "for loop". Those are flow of control statements of the program that repeat the processing of the body of the loop until the condition that exits the loop, which in C is right with the loop declaration, then it has to get an array, or result set, of the positions, then process the array.

The difficult part will be finding the types of the variables that work with the software libraries you have.

Your question is off–topic for sci.logic. You should take your question to comp.programming, for example. The sci.logic is for talk about boring dry mathematical logic.

For, example, I say ZF is inconsistent. Also, I know why I say that and what it means.

Ross

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