Python For Fine Programmers

Deadline: 9, 2009

Problem 1 (4 Points)

Program an server client system using python socket programming. The server has to be running with threads, so that it can serve many clients at a given time.

The client has to have the ability to send a data-object to the server of which the server should find the length or other relavant properties and send the value back to the client.

Problem 2 (4 Points)

Implement two processes (which communicate using pipes) which can send and receive data/information to/from each other.

Problem 3 (4 Points)

During the exercises of last week, we calculated the tf-idf values of the words in a given set of files/documents/urls.

Now, add the functionality of searching. The search string contains the terms/words to be searched separated by the key-words AND, OR and NOT/MINUS. And the search engine has to return the Intersection, Union or Difference of the sets of results generated by the search-terms.