Information Retrieval

COMP 479 Project 3 DEMO

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A report submitted in partial fulfilment of the requirements of Comp479.

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If you run the upgrade_indexer.py, it will print out the result of subproject 1 needed.

The detailed explanation of the code implementation and the comparing result includes in <u>report</u>. And if you want to check out the output of this module's execution, you could refer to <u>output1.txt</u>.

If you run the probabilistic_search_engine.py, it will print out the result of subproject 2 needed.

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COMMATSPRojects & probabilistic_search_engine.py

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Note: If you want to run the code, just be noticed that the code from line 8 to line 13 which is dumped the *term_postList*, *length_docs*, and *total_docs* information to a file and then read from the file for future search using, as generated this information a little bit time-consuming.

The detailed explanation of the code implementation and the comparing result and analysis of three multiplies words queries includes in <u>report</u>. And if you want to check out the output of this module's execution, you could refer to <u>output2.txt</u>. This output just including the top10 of the ranked list of BM25 and Top 10 of the ordered list of OR retrieve.

If you want to check all information of the ranked list of BM25 and all ordered list of OR retrieve, please refer to <u>output3.txt</u>