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Part 1:
To find the invertedIndex, run the following command on the command
python indexer.py tccorpus.txt index.out
Here,
indexer.py is the python script for finding inverted index
tccorpus.txt is the corpus
index.out file where the output is written
Output format
The output in index.out is in the following format:
# word1
docId count docId count .....
# word2
docId count docId count .....
The output in tokens.txt is in the format
docID noOfWordsinDocument
docID noOfWordsinDocument
Part 2:
To find the BM25 Score, run the following command on the command line
python bm25.py index.out queries.txt 100 results.eval
Here.
bm25.py is the python script for finding bm25 score
index.out is the output from part 1
queries.txt are the queries
100 is the maximum number of documents fetched for a query
results.eval output for part 2 in the following format
The output in results.eval is in the following format:
query_id Q0 doc_id rank BM25_score system_name
```