

CSCI 5408 – Data Management, Warehousing, Analytics Assignment 5

Work done by,

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| | DECLARATION |
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| | |
| Ι | I, Guturu Rama Mohan Vishnu, declare that in assignment 3 of CSCI 5408 |
| | course, I declare that all the work done was done by myself and I have not collaborated with anyone for the assignment. |
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Problem #3

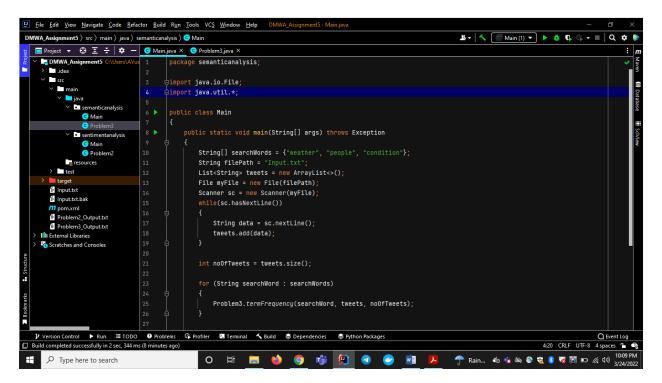
Semantic Analysis

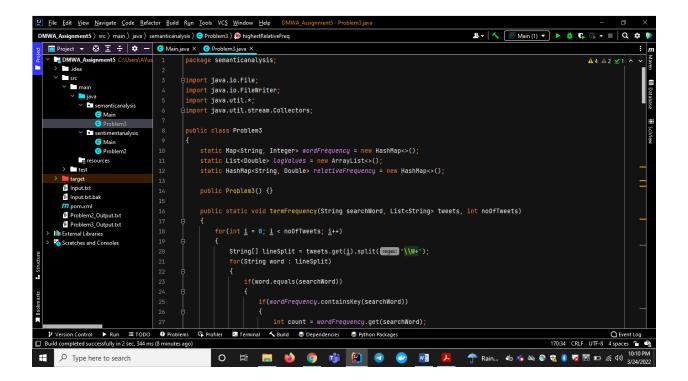
The code written for this program has been pushed to git repo:

https://git.cs.dal.ca/rguturu/csci-5408-w2022-b00871849-

gutururamamohanvishnu/-/tree/main/assignment-5

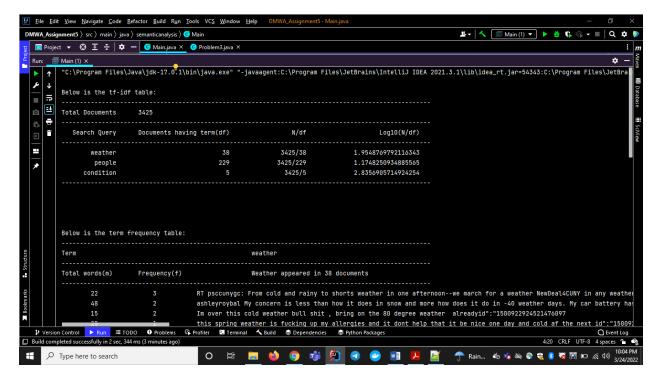
Screenshots of the code written for this program:



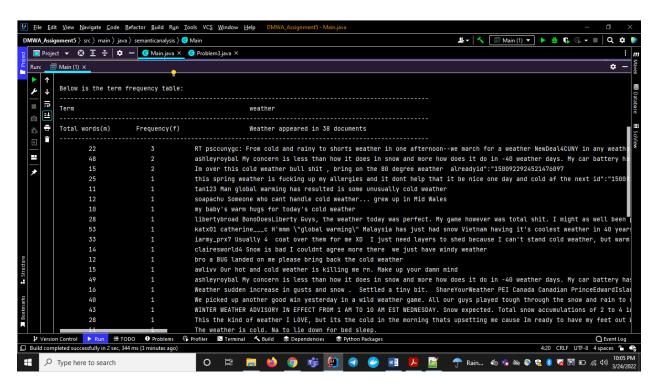


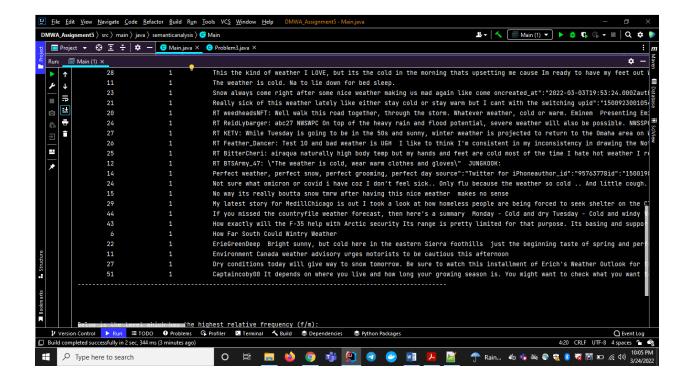
I am printing the tweets and their required details for all three parts (a, b, c) in the assignment, on the console for validation purpose. Details of all the tweets are stored in a text file.

Screenshot of tf-idf table on console:

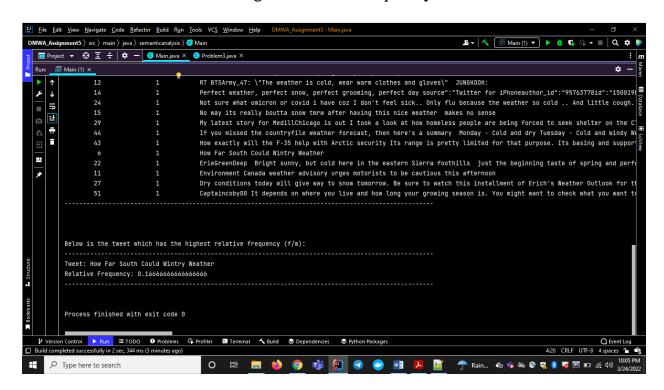


Screenshot of term frequency table on console:

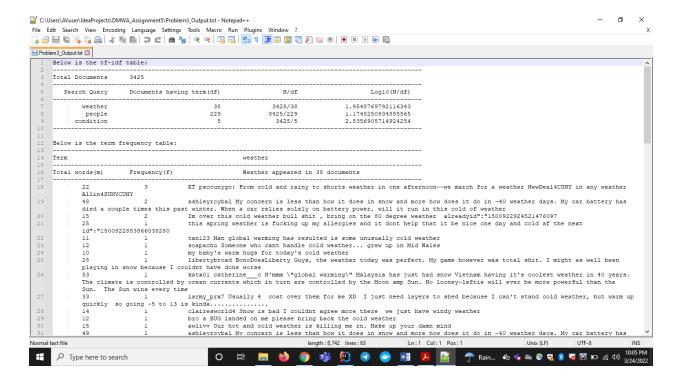




Screenshot of the tweet with highest relative frequency on console:



All tweets and details are stored in "Problem3_Output.txt" file. Screenshot of the output file generated for Problem 3:



References:

- [1] Alam, R. and Fedorenko. V., "Sorting HashMap by values," Stack Overflow [Online]. Available at:

 https://stackoverflow.com/questions/8119366/sorting-hashmap-by-values
 [Accessed: March 24, 2022].
- [2] Skinner, C. and Storey, J., "Java HashMap: How to get a key and value by index?," Stack Overflow [Online]. Available at:

 https://stackoverflow.com/questions/3973512/java-hashmap-how-to-get-a-key-and-value-by-index [Accessed: March 24, 2022].
- [3] Gene B., "Java Format String for Table Display: Wrap at 80 chars," Stack Overflow [Online]. Available at:

 https://stackoverflow.com/questions/32996910/java-format-string-for-table-display-wrap-at-80-chars [Accessed: March 24, 2022].