CSC790: Information Retrieval and Web Search
Fall 2021, Assignment #1
Date Assigned: Friday, September 03, 2021
Due Date: Monday 13, 2021 at 11:59 pm (on blackboard)
(100 points)

Objectives:

- Build the inverted index from a list of documents.

- Retrieve documents related to user queries.

Questions

Download the dataset documents.zip from blackboard.
Write the python code that:

1. Creates the inverted index.

2. Displays the size of the index (in byte).

3. Save the index in a file/load the saved index file.

4. Prompt the user to enter a query such as:

   - A and B or C
   - (A and B) or (C and D)
   - ...

   Retrieve the documents relevant to the query.

Submission

1. Write your own code. Use as many functions as you can.

2. Make sure you writing you name and assignment number on all files you submit.

3. Your python code and the instructions on how to run it.

4. Enclose all your files in a folder named **HW01_yourlastname.zip**.

5. Submit the zip file using blackboard.