Thank you for participating in our coding challenge!

**Your tools:** Use golang and combine it with any relational database (postgres, mysql, ...) you like.

**The task:**

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**Summary:** Read a file containing random tokens and store them in the database as quickly and efficiently as possible without storing any token twice and create a list of all non-unique tokens.

**In detail:** First write a token generator that creates a file with 10 million random tokens, one per line, each consisting of seven lowercase letters a-z. Then write a token reader that reads the file and stores the tokens in your DB. Naturally some tokens will occur more than once, so take care that these aren't duplicated in the DB, but do produce a list of all non-unique tokens and their frequencies. Find a clever way to do it efficiently in terms of network I/O, memory, and time and include documentation inline with your code or as txt file, describing your design decisions.

Send us the code of your generator, reader, and documentation file if you have it separate. Please also send us a description of your database layout and preferably the complete DB schema.

Feel free to reach out with any questions you may have.

We look forward to seeing your results and hope you enjoy this task!