Problem 1: Single-file dictionary

Solution:

Create a file with below structure to store dictionary data:

\* Dictionary file format

\* ----------------------------------------------------------------

\* | 0 | 1 | 2 | entry1 | entry2 | ...| entryN |

\* ----------------------------------------------------------------

\* section 0 : 8bytes - tail - point to the last entry's position in file

\* section 1 : 8bytes - head - point to the first entry

\* section 2 : 8bytes - count - number of entry in dictionary.

\* Entry1..entryn : each entry is block of data contain word and it’s explanation and pointer to the next entry in that file.

The source code ( can be found herer : <https://github.com/quangnguyenbh/mydict> ) is a Netbean project that use the main function the demonstrate the solution, and not a complete executable that can run from command line.