Assignment # 4

Write computer codes that compress any English text file using:
1. Binary Huffman Code with $K = 1, 2$ and 3.
2. Lempel-Ziv algorithm.

The code should provide the following outputs:

(a) The compressed file.
(b) A file that contains the list of distinct phrases and the corresponding addresses and codewords.
(c) The rate and efficiency of the code. You need to compute the entropy of the source.
(d) The compression ratio.

Each student should submit a hard-copy report on the above requirements along with the soft executable source files (via e-mail).

Note: Please copy this and sign on each H.W. assignment:

I testify that I will not refer to the solutions of the assignments of EE 575 by any means and in any form and from any source, before I submit the assignment to my instructor. For programming assignments, I testify that I will not use/refer to any ready code in any means or any form throughout and until the submission of the assignment.