ESOF 4557 Project Proposal:

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In this project we will look at improvement of data compression ratios by the use of LZW and Huffman encoding/decoding. We will study the different data compression techniques and the implementation of their encodings. Measure the performance of Huffman and LZW by measuring various size of data. Then measure relative improved performance in the case of hybrid compression for Huffman based LZW.

Steps needed to achieve goal:
1. Wire an the algorithm which can add Huffman encoding layer to LZW technique.
2. Program software to implement the algorithm
3. Labelling the branches for Huffman compression and creating dictionary for LZW
4. Apply the compression technique to various text files
5. Comparing the performance for all three algorithms