**Part 3 – Entropy Calculation**

1. The decoded file in data folder is named “decodedfile.txt".
2. By dividing the number of occurrences by each symbol we can obtain our value. Out of our 256 probabilities generated by console, a lot of the probabilities are = 0.
3. Theoretical entropy value of source message: 4.53.
4. Compressed entropy value achieved by provided compressed file: 14.16
5. File in data folder is named “encodedfile.txt”
6. The Compressed entropy answer is 4.57.
7. The encoder achieves better compression than the the original file because it has a higher entropy value.

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