**Huffman Coding Algorithm of Variable Length Coding Scheme**

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Compilation Command: javac 025\_Huffman\_Coding.java

Execution Command: java 025\_Huffman\_Coding.java

Procedure:

1) A character array is stored in the character.txt file

[ eg : a b c (in .txt) -&gt; [‘a’,’b’,’c’] (char array)]

2) The frequency.txt file contains frequency of corresponding characters

[ eg : 5 10 11(in .txt) -&gt; [5,10,11] (int array)

‘a’5

‘b’-&gt;10

‘c’-&gt;11]

3) 025\_Huffman\_Coding.java is the primary Java program. Upon executing this Java program, we get:

1. Character with respective Huffman code
2. Average Length
3. Entropy
4. Efficiency