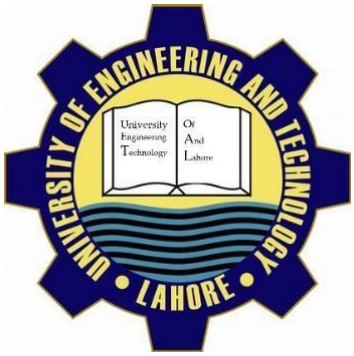
UNIVERSITY OF ENGINERERING AND TECHNOLOGY, LAHORE



Final Project- Milestone 1

Submitted To

Sir Samyan Qayyum Wahla

Group Members

2018-CS-64

2018-CS-80

Section B

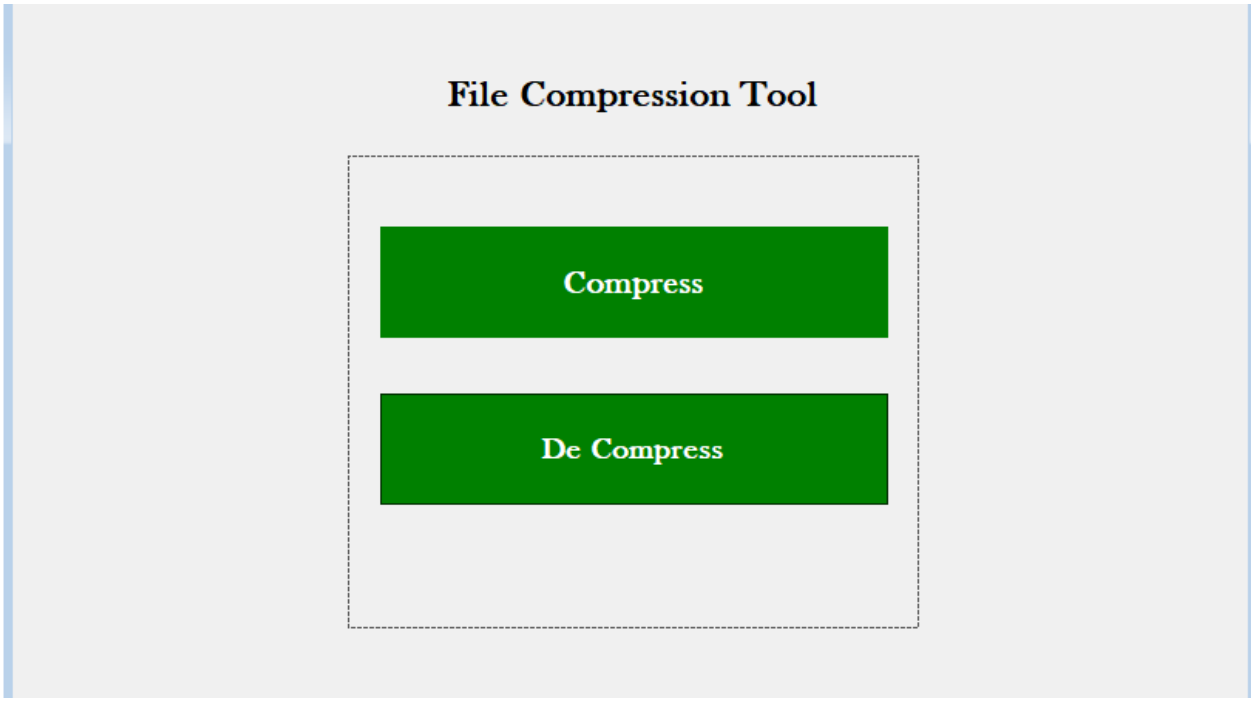
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Algorithm Used

The Algorithm we are going to use is,

- **Huffman coding Algorithm**

This Algorithm takes an array of character and array of corresponding frequencies of character. This Algorithm takes two character of minimum frequency an make them the child of a node and sum of their frequencies become the frequency of that Node. The two character chosen are removed from the node list and the Node created become a node of the node list. This Algorithm continues until Only One Node remain and That Node is called root Node. In the end the character with minimum frequency are at the right most of the tree and will have a bit large code and with the maximum frequency are at the left most and will have a smaller code.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Compress
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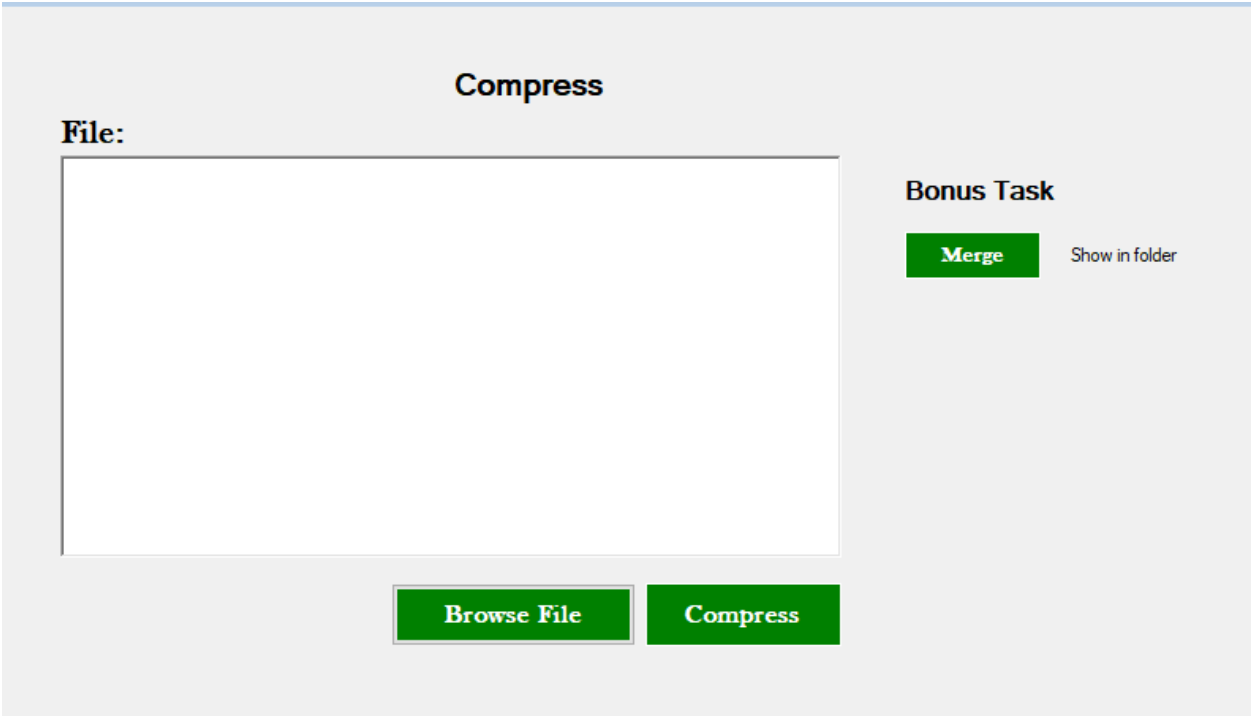
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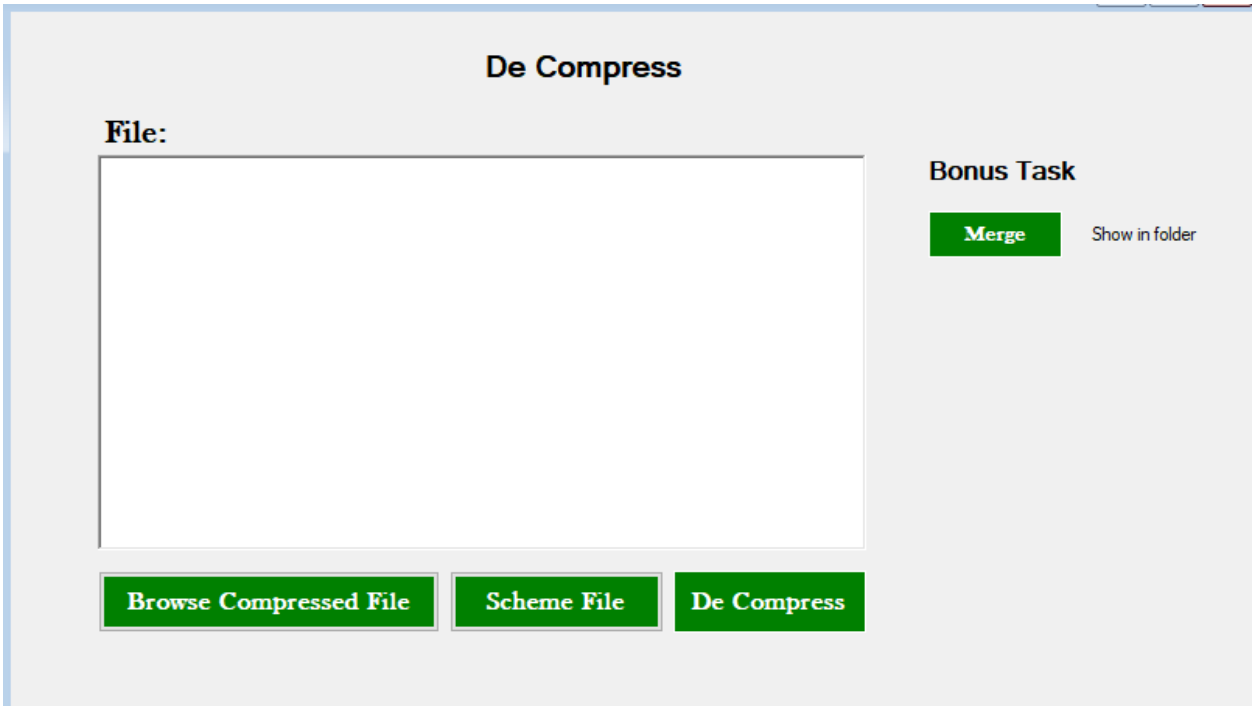
Bonus Task
Merge
Show in folder
Browse File
Compress


De Compress
File:
Bonus Task
Merge
Show in folder
Browse Compressed File
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De Compress