Programming Assignment - 16
Data Compression

1) In the style of the figure in the text, show the Huffman coding tree construction process when you use Huffman for the string " **it was the age of wisdom it was the age of foolishness**". How many bits does the compressed bitstream require? You must show the full encoding and decoding process and the resulting tries and the compressed bitstream.

2) In the style of the figure in the text, show the Huffman coding tree construction process when you use Huffman for the string "**it was the season of darkness, it was the spring of hope, it was the winter of despair**". How many bits does the compressed bitstream require? You must show the full encoding and decoding process and the resulting tries and the compressed bitstream.