Assignment #1: Huffman Coding

Category	Mark
1. `Decompression` • When the Web server is called (e.g., python3 ../webserver.py), a Web browser should be able to connect to the server and see the image of David Huffman. • When util.decompress() is called (e.g., analogous to how util.compress() is called within compress.py), it correctly decompresses a stream. Some marks given based on the number of TA-created test cases passed by students. • Deductions apply for incorrect implementation of any function related to decompression.	/50
2. `Compression` • When util.compress() is called by compress.py, it correctly compresses a stream. • Some marks are given based on the number of TA-created test cases passed by students. • Deductions apply for incorrect implementation of any function related to compression.	/50

Note: As announced in class, the Python assignments must be completed without using the `break` command to break out of loops. Using it will result in a deduction.

Note: You may use other functions you define but they must be contained in `util.py` and must follow proper style. You cannot edit any other file. As mentioned earlier, we will only use your implementation of `util.py` and use it along with original copies of the other files we distributed for this assignment. So you also have to use the functions originally contained in `util.py` without modifying their signatures (name and parameters).

Further Notes: Deductions (to the overall grade) may be applied at the grader's discretion if the submission

- Does not run due to syntax errors. Significant deductions apply if this happens, possibly resulting in a grade of 0 overall. You must submit code that can be run. *Make sure your code runs on the VM before you submit it!*

- Has extremely poor code structure, style, or modularity.

- Does not have correct function names, function parameters, or file names. Remember, you are required to include a `README` file (no .txt extension to the filename) and to compress all files in your solution into either a single `.zip` file or a single `.tar.gz` file.

- Does not follow the Code Submission Guidelines in any substantial way. **Good style (proper variable names, indentation, comments, etc.) is essential and should be practiced. Bad style will lead to significant mark deductions.**