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TCSS 342 Project 2

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The bonus points were attempted with a personally written Priority Queue. Testing was done with the following six files:

test1.txt: Test 1 was with the text "War and Peace", a long novel. This was to test the code as it will be run for grading. The file size before compression was 3291622 bytes, the compressed file is 1757634 bytes.

test2.txt: Test 2 was with a small 3 word text file. This was to test the compression of small inputs. The file size before compression was 16 bytes, the compressed file is 7 bytes.

test3.txt: Test 3 was with a large text file containing roughly equal amounts of all characters. This was to test inputs with similarly weighted characters. The file size before compression was 9988787 bytes, the compressed file is 8070741 bytes.

test4.txt: Test 4 was a medium novel by Michael Proust. This was to test a more typical file size. The file size before compression was 1121613 bytes, the compressed file is 594319 bytes.

test5.txt: Test 5 was an empty text file to test empty inputs. The file size before compression was 0 bytes, the compressed file is 0 bytes.

test6.txt: Test 6 was a text file with over 700000 instances of a single character, and one of each other to test lopsided inputs. The file size before compression was 746585 bytes, the compressed file is 91085 bytes.