

Report of Project 2

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So I have 3 .c files and a .h file along with the makefile needed to compile submitted with this report, each of them serve different function to make it possible.

Compress.h:

This is where I put all my function and structure declarations.

Compress.c:

This is general I write all functions declared in the **compress.h** which will be used in **huff.c** and **unhuff.c** to make them run.

Huff.c:

It calls the function in **compress.c** to Huffman code the given file and write the compressed version in a output file with ".huff" at the end.

Unhuff.c:

Similar to **huff.c**, it calls functions in **compress.c** to de-Huffman the file and write the output in a file with ".unhuff" at the end.

Makefile:

This contained all the command that make the program run in a right way:

Make testh : will run all the given text files (stored in a folder called inputs) and put output in the inputs folder.

Make testu: will unhuff all the file generated above.

Make memory: will check the memory of the 2 things ran above.

Make clean: will delete all file generated above.

Summary:

Somehow the test0.txt cannot be unhuff rightly, but I guess I got no more time to debug that, but I think all other tests works just fine.