

Review of irlxrd's Huffman/LZW UI

15th Feb 2026, 10:08 p.m.

It was quite an intriguing topic. I learned a lot from the details that are added in between lines of code as well as read through the different documentations to get a better understanding of what was going on.

The UI is built really well, and I tried out every option (1-4), including putting in manual text, a file from my own laptop as well as the test cases that had already been put into the programme from beforehand. To see the different sorts of comparisons was quite interesting.

While I do not know much about the topic, it is interesting that for my tests, Huffman was the most successful at compressing the files and for the first two by quite large percentages compared to LZW.

I don't know if it was just me, but since I am not the one who created the repository or the code, I opted to download the raw file and it was a bit tricky for me to run it on VSC to test out the UI and it would be nice if you could also attach a document which tells others how to address some of the issues when trying to run the ui.py file. The main problem I ran into was at the very beginning where src didn't appear as a package at all and I had to first run the project root in VSC's terminal ("cd /home/username/folder_name") and then run "python3 -m src.ui" which allowed src to be treated as a package.

Other than this, everything worked out quite well :)