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IMPLEMENTATION OF DATA COMPRESSION AND DECOMPRESSION SOFTWARE TOOL USING LAMPEL-ZIV ALGORITHM

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In this paper, we implement Lempel - Ziv algorithm which is used to compress and decompress a particular file or folder. If you download many programs and files of the Internet, you've probably encountered ZIP files before. This compression system is a very handy invention, especially for Web users; because it lets you reduce the overall number of bits and bytes in a file so it can be transmitted faster over slower Internet connections, or take up less space on a disk. Once we download the file, our computer can use this tool to expand the file back to its original size. If everything works correctly, the expanded file is identical to the original file before it was compressed. The basic idea behind the process is fairly straightforward. In this paper, we'll examine this simple method as we take a very small file through the basic process of compression.

MUSIC INFORMATION RETRIEVAL SYSTEM BY CONSTRUCTING QUANTIZATION TREE BASED ON CONTENT BASED DATA MINING

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Music information retrieval is an emerging research area that provides required music information to the users. Internet allow users to access more number of music online. Functionality of currently available search algorithms are limited to few factors like name of artist, name of album/film, name of musician. These retrieval system supports keyword based search. Keyword based search mechanism will not answer all user questions like music similarity. This paper presents a music retrieval system which supports keyword based search and content based search. Content based similarity search allows users to find new music files based on their music interest. This paper mainly focuses on feature extraction technique which provides feature vectors that are then used for music similarity search. It applies discrete wavelet transform(DWT) to extract feature vectors. This paper also focuses on the methodologies: beat spectrum, frequency histograms and tree based quantization for calculating frame similarity.