Abstract

The advancement of information technology has affected all walks of our life. And when we talk the use of information technology in a business environment, we cannot ignore the presence of a huge number of data base systems as its core. Data base technology has also grown from a simple file system to data navigation system, and over a last two to three decades
a majority of business institutions, organizations, industries etc. have adopted the computerization process, and as a result have been flooded with data. Temporal database (a database that require some aspect of time when organizing their information) often increases with the time like information from reservation counters (flight, railways, buses, hotels), Bank ATMs, shares price from stock market, insurance policies. So with the limited resources how to manage and store these data, the only possible solution one can have is to just compress and store it within the available resources. The traditional approach of compression make use of entropy encoding (compress without any regard to its content), whereas we can take advantage of Differential and Delta coding compression as we do in text compression. Now days many papers using lossy compression or lossless compressions which comes under both source encoding and entropy encoding. This paper presents an attempt to apply this category of compression method for a database file with some new approaches [9]. Approaches may be different but final goal is how to compress a data to some efficient manner. The percentage of compression level will become very high with these given approaches, it may go as high as 60% to 70% of compression [18]. The approaches are so simple that can be implemented in even C or C++ also. So that programmer and user can understand so simple way. It does not require special type of software. The attempt is so simple and may be used as a new development of compression for database.

Reference

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Index Terms

Computer Science  Databases

Key words

Delta code  Differential Method  Temporal