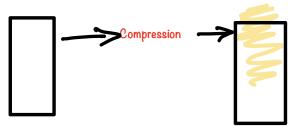
## Database Compression ® 🎾



- · Improves speed and performance
- · Data is usually skewed so compression brings efficiency
- · Able to perform most of the query processing on compressed data is the core requirement of a db compression

Lossless, original data can be fully restored



Can be done over column, block, Tuple or Attribute level

Lossy Compression, data size reduction



## OLAP & OLTP have different kinds of data compression

Popular compression algorithms

2Standard Snappy L20(4)

## Compression Techniques

- Run length Encoding
- prefix Encoding
- Dictionary Encoding
- **Null Supression**
- Lempel Zug encoding
- Hybrid Columnar Compression