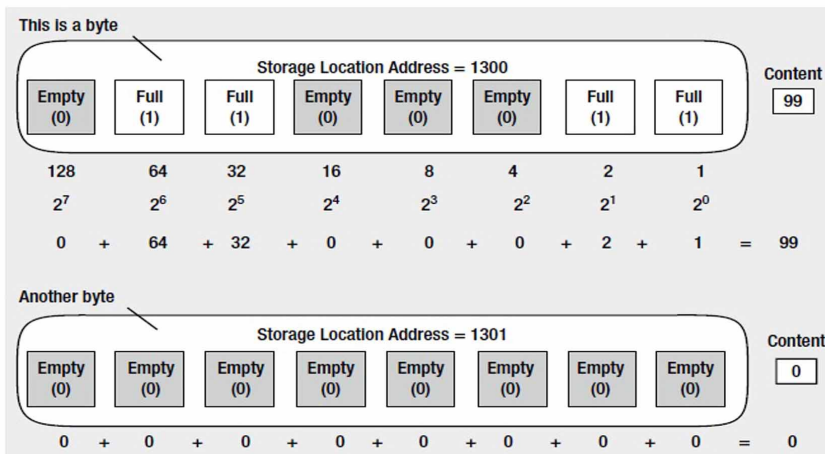


## Computer Memory

Computer memory is any physical device capable of storing information temporarily like RAM (random access memory), or permanently, like ROM (read-only memory). Memory is used to store computer programs and data.

A memory is just like a human brain. It is used to store data and instructions. Computer memory is the storage space in the computer, where data is to be processed and instructions required for processing are stored.

Memory consists of a large number of bits that are in groups of eight (called bytes) and each byte has a unique address. Byte addresses start from 0. A bit can only be either 1 or 0.



A computer's storage capacity is measured in bytes and multiples of the byte, as follows:

- 1 kilobyte (or 1KB) is 1,024 bytes.
- 1 megabyte (or 1MB) is 1,024KB, which is 1,048,576 bytes.
- 1 gigabyte (or 1GB) is 1,024MB, which is 1,073,741,824 bytes.
- 1 terabyte (or 1TB) is 1,024GB, 1,099,511,627,776 bytes.

A typical one-page word document might take 20 KB. Therefore, 1 MB can store 50 pages of documents, and 1 GB can store 50,000 pages of documents.

Memory looks like as follows:

2GB RAM



USB Flash Drive



*Life must continue. And continue towards perfection, through progress, evolution, through self-initiative. Impatience can not lead to do that. Frustration is its enemy.*