BIT AND BYTE:

Bits and Bytes:

- **Bit**: The smallest unit of data in computing, representing a binary value of either 0 or 1.
- **Byte**: A group of 8 bits, often used to represent a single character (e.g., a letter or a number) in a computer.

Flow Diagram for Bytes:

Here's a simple representation of how bits form bytes and how bytes can scale up to represent larger data units:

```
1 Byte = 8 Bits ----- (2) ^8 ------ | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 | | | Bit |
```

Bytes are often scaled up in multiples of 1024 to represent larger units of data:

- 1. 1 Byte (B) = 8 Bits
- 2. 1 Kilobyte (KB) = 1024 Bytes
- 3. 1 Megabyte (MB) = 1024 KB
- 4. 1 Gigabyte (GB) = 1024 MB
- 5. **1 Terabyte (TB) = 1024 GB**