

Quick-Fire Abbreviations

(The "Rare" Ones)

WYSIWYG

Full Form:

What You See Is What You Get

Key Idea:

An editor or program that shows you the actual appearance of your document before it is printed or displayed.



Common example:
MS Word, Google Docs.



GIGO

Full Form:

Garbage In, Garbage Out

Key Idea:

The quality of the output depends on the quality of the input. Bad input leads to bad results.



Simple rule:
Wrong data → Wrong results.



ASCII

Full Form:

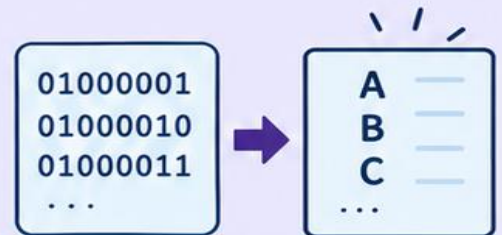
American Standard Code for Information Interchange

Key Idea:

A 7-bit or 8-bit character coding standard used to represent text, symbols and control characters in computers and devices.



Example: Letters, numbers, symbols, and control codes.



EPROM

Full Form:

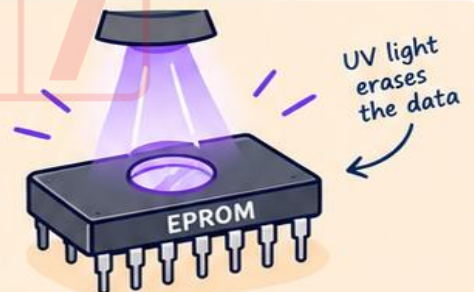
Erasable Programmable Read-Only Memory

Key Idea:

A type of non-volatile memory that can be erased using ultraviolet light and then reprogrammed.



Erased using:
Ultraviolet light (UV).



EEPROM

Full Form:

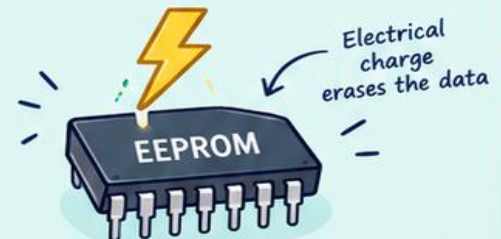
Electrically Erasable Programmable Read-Only Memory

Key Idea:

A type of non-volatile memory that can be erased using electrical charge and then reprogrammed.



Erased using:
Electrical charge.



Small Abbreviations... **Big Impact!**

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Network Types

Different Ranges • Different Uses • Same Goal – Connect!



PAN

Network Type

Personal Area Network

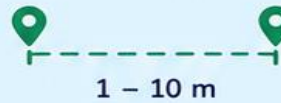
Full Form

Personal Area Network



Typical Range

~1 to 10 Meters



Application / Example

Connecting a phone to a Bluetooth headset or smartwatch.



LAN

Network Type

Local Area Network

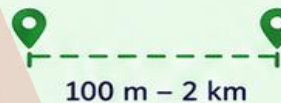
Full Form

Local Area Network



Typical Range

~100m to 2km



Application / Example

A school computer lab, office building, or home Wi-Fi.



CAN

Network Type

Campus Area Network

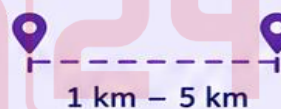
Full Form

Campus Area Network



Typical Range

~1km to 5km



Application / Example

Interconnecting different department LANs within a University.



MAN

Network Type

Metropolitan Area Network

Full Form

Metropolitan Area Network



Typical Range

~5km to 50km



Application / Example

Cable TV network or city-wide Wi-Fi across a metropolitan area.



Bigger Coverage → Greater Connectivity → A Smarter World

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Network Types

From Local to Global - Different Networks, Different Jobs!



WAN

Network Type

Wide Area Network

Full Form

Wide Area Network

Typical Range

Country / Global

Application / Example

The Internet is the largest WAN. Connects multiple LANs/MANs.



VAN

Network Type

Value Added Network

Full Form

Value Added Network

Typical Range

Business-specific

Application / Example

A private network service that adds "value" like EDI (Electronic Data Interchange) for secure business transactions.



Adds Value Like:

- ✓ EDI (Electronic Data Interchange)
- ✓ Secure messaging
- ✓ Data translation
- ✓ Trading partner connectivity

SAN

Network Type

Storage Area Network

Full Form

Storage Area Network

Typical Range

Server-specific

Application / Example

A high-speed network that provides block-level data storage access.



Key Benefit:

- ✓ High speed
- ✓ Reliable
- ✓ Centralized storage

Different Needs → Different Network Types → A Stronger Connected World!

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</> Web Technologies </>

Three Acronyms, One Web

HTML

Acronym

HTML

Full Form

Hypertext Markup Language

Context

The standard markup language for documents designed to be displayed in a web browser.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Web Page</title>
  </head>
  <body>
    <h1>Hello, World!</h1>
  </body>
</html>
```



Builds the structure of a webpage.

HTML = Structure

XML

Acronym

XML

Full Form

Extensible Markup Language

Context

A markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable.

```
<?xml version="1.0"?>
<book>
  <title>Learning XML</title>
  <author>John Doe</author>
</book>
```

Human-Readable

Machine-Readable

Flexible (Extensible)

XML = Data Structure

CSS

Acronym

CSS

Full Form

Cascading Style Sheets

Context

Used for describing the presentation (look and formatting) of a document written in HTML.

```
CSS
body {
  font-family: Arial;
  background-color: #f0f8ff;
}

h1 {
  color: #2a9d8f;
  font-size: 24px;
}
```



CSS = Style



Same Web. Different Roles. **Better Together!**

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</> Web Technologies </>

(Quick-Fire Abbreviations)



SQL

Acronym

SQL

Full Form

Structured Query Language

Context

A standard language for storing, manipulating, and retrieving data in databases.



Database



```
SELECT *  
FROM users  
WHERE id = 1;
```



Store Data



Manipulate Data



Retrieve Data

SQL = Talk to Your Database

API

Acronym

API

Full Form

Application Programming Interface

Context

A set of functions and procedures allowing the creation of applications that access the features or data of an operating system or other service.

Your Application



Service / System



API = Connects Applications & Services

CMS

Acronym

CMS

Full Form

Content Management System

Context

Software used to manage the creation and modification of digital content (e.g., WordPress).



Manage Content



Create



Edit



Publish

CMS = Easier Content Management



Same Web. Different Roles. **Powerful Together!**



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