Hardware

CPU (Central Processing Unit)

RAM (Random Access Memory)

GPU (Graphics Processing Unit)

Motherboard

Hard drive

Solid state drive

Optical drive

Power supply

Processor

Memory

Storage

Heat sink

Fan

Power button

USB port

Ethernet port

HDMI port

Display port

VGA port

Keyboard

Mouse

Monitor

Printer

Scanner

Speaker

Microphone

Webcam

Game controller

Touchpad

Trackpad

Touchscreen

Biometric scanner

Barcode reader

RFID reader

Modem

Router

Switch

Hub

Bridge

Access point

Firewall

Network interface card

Wireless adapter

Bluetooth adapter

Sound card

Graphics card

PCI (Peripheral Component Interconnect)

PCI Express (PCI-E)

AGP (Accelerated Graphics Port)

SATA (Serial ATA)

IDE (Integrated Drive Electronics)

SCSI (Small Computer System Interface)

USB (Universal Serial Bus)

PS/2

Parallel port

Serial port

Firewire

Thunderbolt

HDMI (High-Definition Multimedia Interface)

Displayport

VGA (Video Graphics Array)

DVI (Digital Visual Interface)

DisplayLink

SD (Secure Digital)

microSD

MMC (MultiMediaCard)

CF (CompactFlash)

XD (eXtreme Digital)

Memory stick

SmartMedia

MultiMediaCard

CompactFlash

PC Card

ExpressCard

Smart card

SIM (Subscriber Identity Module)

BIOS (Basic Input/Output System)

UEFI (Unified Extensible Firmware Interface)

CMOS (Complementary Metal-Oxide Semiconductor)

Firmware

Bootloader

Operating system

File system

Directory

Folder

File

Icon

Menu

Taskbar

Desktop

Window

Tab

Dialog box

Notification

Pop-up

Alert

Error message

Warning

Information

Prompt

Cache

Virtual memory

Address

Bit

Byte

Kilobyte

Megabyte

Gigabyte

Terabyte

Petabyte

Exabyte

Zettabyte

Yottabyte

Nibble

Word

Double word

Quad word

Register

Instruction

Opcode

Operand

Stack

Heap

Array

Linked list

Tree

Graph

Hash table

Index

Primary key

Foreign key

Query

Join

Sort

Filter

Group

Aggregate

Pivot

Normalization

Denormalization

Transaction

Rollback

Commit

Deadlock

Lock

Mutex

Semaphore

Condition variable

Thread

Process

Software

Application

Program

Software

System software

Utility

Operating system

Kernel

Device driver

File manager

Window manager

Desktop environment

Firmware

BIOS (Basic Input/Output System)

UEFI (Unified Extensible Firmware Interface)

Bootloader

Shell

Command line interface

Graphical user interface

GUI (Graphical User Interface)

Desktop

Window

Menu

Icon

Taskbar

Dock

Notification

Pop-up

Alert

Error message

Warning

Information

Prompt

Dialog box

Toolbar

Status bar

Ribbon

File

Folder

Directory

Path

File system

Volume

Partition

Drive

Hard drive

Solid state drive

Optical drive

Flash drive

Memory card

File format

Extension

Compression

Encryption

Hash

Checksum

Digital signature

Timestamp

File sharing

Network file system

Cloud storage

Version control

Repository

Branch

Merge

Commit

Rollback

Link

Hyperlink

Anchor

URL (Uniform Resource Locator)

Domain

Web server

HTTP (Hypertext Transfer Protocol)

HTTPS (Hypertext Transfer Protocol Secure)

FTP (File Transfer Protocol)

SFTP (SSH File Transfer Protocol)

FTP over SSL/TLS (FTPS)

Telnet

SSH (Secure Shell)

VPN (Virtual Private Network)

Remote desktop

Terminal

Console

Command

Argument

Option

Flag

Parameter

Variable

Constant

Data type

Integer

Float

Double

Boolean

String

Array

Linked list

Stack

Queue

Tree

Graph

Hash table

Set

Map

Key

Value

Index

Element

Iterator

Pointer

Reference

Dereference

Heap

Stack

Recursion

Iteration

Function

Procedure

Method

Subroutine

Module

Package

Library

API (Application Programming Interface)

SDK (Software Development Kit)

Framework

Class

Object

Inheritance

Polymorphism

Encapsulation

Abstraction

Overloading

Overriding

Constructor

Destructor

Operator

Expression

Statement

Block

Control flow

Loop

Conditional

Case

Switch

Break

Continue

Return

Throw

Try

Catch

Finally

Exception

Error

Debug

Trace

Log

Testing

Unit test

Integration test

System test

Regression test

User acceptance test

Performance test

Load test

Stress test

Scalability test

Security test

Penetration test

Compliance test

Quality assurance

Quality control

Configuration management

Release management

Deployment

Update

Patch

Service pack

Hotfix

Upgrade

Downgrade

Compatibility

Portability

Localization

Translation

Internationalization

Unicode

UTF (Unicode Transformation Format)

Encoding

Text editor

Integrated development environment

IDE (Integrated Development Environment)

Compiler

Interpreter

Assembler

Linker

Loader

Linker script

Makefile

Build

Deploy

Network

Network

LAN (Local Area Network)

WAN (Wide Area Network)

MAN (Metropolitan Area Network)

WLAN (Wireless Local Area Network)

WPAN (Wireless Personal Area Network)

SAN (Storage Area Network)

VPN (Virtual Private Network)

VLAN (Virtual Local Area Network)

P2P (Peer-to-Peer)

Client

Server

Peer

Node

Host

Router

Switch

Hub

Bridge

Access point

Firewall

Network interface card

Wireless adapter

Bluetooth adapter

Modem

ISDN (Integrated Services Digital Network)

DSL (Digital Subscriber Line)

Cable modem

Satellite

Fiber optic

Cellular

Hotspot

Wi-Fi

Bluetooth

NFC (Near Field Communication)

RFID (Radio-Frequency Identification)

Protocol

TCP (Transmission Control Protocol)

UDP (User Datagram Protocol)

IP (Internet Protocol)

IPv4 (Internet Protocol version 4)

IPv6 (Internet Protocol version 6)

ICMP (Internet Control Message Protocol)

ARP (Address Resolution Protocol)

RARP (Reverse Address Resolution Protocol)

DHCP (Dynamic Host Configuration Protocol)

DNS (Domain Name System)

LDAP (Lightweight Directory Access Protocol)

NTP (Network Time Protocol)

SNMP (Simple Network Management Protocol)

FTP (File Transfer Protocol)

SFTP (SSH File Transfer Protocol)

FTP over SSL/TLS (FTPS)

Telnet

SSH (Secure Shell)

SSL (Secure Sockets Layer)

TLS (Transport Layer Security)

HTTPS (Hypertext Transfer Protocol Secure)

HTTP (Hypertext Transfer Protocol)

SMTP (Simple Mail Transfer Protocol)

POP (Post Office Protocol)

IMAP (Internet Message Access Protocol)

NNTP (Network News Transfer Protocol)

IRC (Internet Relay Chat)

XMPP (Extensible Messaging and Presence Protocol)

Jabber

RTP (Real-time Transport Protocol)

RTSP (Real-time Streaming Protocol)

SIP (Session Initiation Protocol)

H.323

RTCP (Real-time Transport Control Protocol)

RTC (Real-time Communication)

WebRTC (Web Real-time Communication)

SDP (Session Description Protocol)

IP address

Subnet mask

Gateway

MAC address

DNS server

Domain

URL (Uniform Resource Locator)

URI (Uniform Resource Identifier)

HTTP status code

HTTP header

HTTP cookie

HTTP session

HTTP request

HTTP response

HTTP method

GET

POST

HEAD

PUT

DELETE

TRACE

OPTIONS

CONNECT

PATCH

Referer

User agent

Accept

Accept-Charset

Accept-Encoding

Accept-Language

Accept-Ranges

Age

Allow

Authorization

Cache-Control

Connection

Content-Encoding

Content-Language

Content-Length

Content-Location

Content-MD5

Content-Range

Content-Type

Date

ETag

Expect

Expires

From

Host

If-Match

If-Modified-Since

If-None-Match

If-Range

If-Unmodified-Since

Last-Modified

Location

Max-Forwards

Pragma

Proxy-Authenticate

Proxy-Authorization

Range

Referer

Retry-After

Server

TE

Trailer

Transfer-Encoding

Upgrade

User-Agent

Vary

Via

Warning

WWW-Authenticate

Cross-origin resource sharing

AJAX (Asynchronous JavaScript and XML)

JSON (JavaScript Object Notation)

XML (Extensible Markup Language)

XSL (Extensible Stylesheet Language)

XSLT (XSL Transformations)

DTD (Document Type Definition)

Schema

Validation

Parsing

DOM (Document Object Model)

SAX (Simple API for XML)

StAX (Streaming API for XML)

JAXB (Java Architecture for XML Binding)

JAX-RS (Java API for RESTful Web Services)

JAX-WS (Java API for XML Web Services)

SOAP (Simple Object Access Protocol)

REST (Representational State Transfer)

HTTP RESTful API

HTTP verbs

GET

POST

PUT

DELETE

HEAD

OPTIONS

PATCH

HTTP status codes

HTTP headers

HTTP cookies

HTTP sessions

HTTP requests

HTTP responses

HTTP methods

HTTPS RESTful API

HTTPS verbs

HTTPS status codes

HTTPS headers

HTTPS cookies

HTTPS sessions

HTTPS requests

HTTPS responses

HTTPS methods

HTTP proxy

SOCKS proxy

Reverse proxy

Load balancer

Failover

Redundancy

High availability

Load balancing

Scalability

Performance

Reliability

Security

Security

Threat

Attack

Vulnerability

Exploit

Risk

Mitigation

Prevention

Detection

Response

Recovery

Backup

Disaster recovery

Business continuity

Compliance

Regulation

Standard

Certification

Audit

Assessment

Testing

Pen test

Vulnerability assessment

Risk assessment

Compliance assessment

architecture

design

model

paradigm

mechanism

protocol

service

feature

property

benefit

requirement

constraint

assumption

guarantee

objective

policy

practice

posture

posture assessment

posture improvement

strategy

plan

governance

leadership

culture

awareness

education

training

behavior

incident

event

alert

notification

report

dashboard

operations center

information and event management

intelligence

analytics

visualization

correlation

forensic

investigation

remediation

response

recovery

restoration

rehabilitation

maintenance

update

patch

fix

hotfix

upgrade

downgrade

compatibility

interoperability

portability

localization

translation

internationalization

Unicode

UTF (Unicode Transformation Format)

encoding

encryption

decryption

cipher

key

algorithm

hash

checksum

digital signature

timestamp

certification authority

public key infrastructure

private key

key pair

key generation

key distribution

key management

key revocation

key expiration

certificate

certificate signing request

certificate chain

certificate authority chain

certificate trust

certificate validation

certificate revocation list

certificate status

authentication

authorization

access control

permissions

privileges

roles

identity

identity management

identity federation

single sign-on

multifactor authentication

biometrics

token

tokenization

password

password management

password policy

password recovery

password reset

password history

password complexity

password expiration

password strength

password hashing

password cracking

password guess

password attack

password dictionary

password brute force

password rainbow table

password salting

password pepper

password key stretching

password key derivation

password key strengthening

password key stretching function

password key derivation function

password key strengthening function

password key stretching algorithm

password key derivation algorithm

password key strengthening algorithm

password reset token

password reset link

password reset question

password reset answer

password reset challenge

identity verification

identity proofing

identity assertion

identity provider

identity consumer

identity broker

identity federation protocol

Algorithms

Algorithm

Computation

Calculation

Execution

Implementation

Performance

Efficiency

Time complexity

Space complexity

Resource complexity

Scalability

Load

Capacity

Volume

Stress

Benchmark

Comparison

Evaluation

Verification

Validation

Testing

Debugging

Optimization

Improvement

Tuning

Refactoring

Reusability

Modularity

Maintainability

Robustness

Resilience

Fault tolerance

Recovery

Redundancy

Replication

Consistency

Integrity

Atomicity

Isolation

Durability

Persistence

Recovery

Backup

Disaster recovery

Business continuity

Data structure

Array

Linked list

Stack

Queue

Deque

Map

Set

Hash table

Tree

Binary tree

Heap

B-tree

Red-black tree

AVL tree

Splay tree

Trie

Radix tree

Suffix tree

Graph

Directed graph

Undirected graph

Weighted graph

Dijkstra's algorithm

A\* algorithm

Floyd-Warshall algorithm

Bellman-Ford algorithm

Johnson algorithm

Viterbi algorithm

Knapsack problem

Traveling salesman problem

Hamiltonian path problem

Vertex cover problem

Dominating set problem

Independent set problem

Clique problem

Coloring problem

Matching problem

Flow problem

Network flow problem

Maximum flow problem

Minimum cut problem

Minimum cost flow problem

Linear programming

Simplex algorithm

Dual simplex algorithm

Interior-point algorithm

Convex optimization

Quadratic programming

Second-order cone programming

Semidefinite programming

Mixed-integer programming

Global optimization

Genetic algorithm

Evolutionary algorithm

Particle swarm optimization

Ant colony optimization

Bee algorithm

Firefly algorithm

Cuckoo search

Harmony search

Artificial immune system

Neural network

Deep learning

Convolutional neural network

Recurrent neural network

Long short-term memory

Gated recurrent unit

Attention mechanism

Transfer learning

Fine-tuning

Overfitting

Underfitting

Regularization

Dropout

Batch normalization

Activation function

Sigmoid

Tanh

ReLU

Leaky ReLU

ELU

Softmax

Cross-entropy loss

Mean squared error

Mean absolute error

Categorical cross-entropy loss

Binary cross-entropy loss

Hinge loss

Squared hinge loss

Multilabel loss

Cosine similarity loss

Margin loss

Triplet loss

Contrastive loss

Center loss

Classification

Regression

Clustering

Density estimation

Anomaly detection

Collaborative filtering

Matrix factorization

Singular value decomposition

Non-negative matrix factorization

Latent Dirichlet allocation

Latent semantic analysis

Latent semantic indexing

Latent factor analysis

Probabilistic latent semantic analysis

Latent Dirichlet allocation Gibbs sampling

Stochastic gradient descent

Adam optimization

RMSProp optimization

Adagrad optimization

AdaDelta optimization

Nadam optimization

AMSGrad optimization

Momentum optimization

Nestrov's acceleration

Quasi-Newton method

Broyden–Fletcher–Goldfarb–Shanno algorithm

DFP algorithm

BFGS algorithm

L-BFGS algorithm

OWL-QN algorithm

Conjugate gradient method

Powell's method

Nelder-Mead method

Simplex method

Grid search

Random search

Bayesian optimization

Gaussian process optimization

Tree-structured Parzen estimator

Multi-armed bandit

Web technologies

Web

Internet

World Wide Web

HTML (Hypertext Markup Language)

XML (Extensible Markup Language)

CSS (Cascading Style Sheets)

JavaScript

ECMAScript

TypeScript

AngularJS

ReactJS

VueJS

EmberJS

KnockoutJS

BackboneJS

MeteorJS

PolymerJS

AmberJS

AureliaJS

InfernoJS

PreactJS

SvelteJS

Angular

React

Vue

Ember

Knockout

Backbone

Meteor

Polymer

Amber

Aurelia

Inferno

Preact

Svelte

HTML DOM (Document Object Model)

XML DOM

CSSOM (CSS Object Model)

AJAX (Asynchronous JavaScript and XML)

JSON (JavaScript Object Notation)

REST (Representational State Transfer)

RESTful API

HTTP (Hypertext Transfer Protocol)

HTTPS (HTTP Secure)

HTTP methods

HTTP verbs

GET

POST

PUT

DELETE

HEAD

OPTIONS

PATCH

HTTP status codes

HTTP headers

HTTP cookies

HTTP sessions

HTTP requests

HTTP responses

HTTP proxy

SOCKS proxy

Reverse proxy

Load balancer

Failover

Redundancy

High availability

Load balancing

Scalability

Performance

Reliability

URI (Uniform Resource Identifier)

URL (Uniform Resource Locator)

URN (Uniform Resource Name)

DNS (Domain Name System)

IP (Internet Protocol)

IPv4 (Internet Protocol version 4)

IPv6 (Internet Protocol version 6)

TCP (Transmission Control Protocol)

UDP (User Datagram Protocol)

FTP (File Transfer Protocol)

SFTP (SSH File Transfer Protocol)

FTPS (FTP Secure)

SSH (Secure Shell)

Telnet

SMTP (Simple Mail Transfer Protocol)

POP3 (Post Office Protocol version 3)

IMAP (Internet Message Access Protocol)

NNTP (Network News Transfer Protocol)

HTTP/2

HTTP/3

WebSocket

WebRTC (Web Real-Time Communication)

WebGL (Web Graphics Library)

WebVR (Web Virtual Reality)

WebAR (Web Augmented Reality)

WebXR (Web Extended Reality)

WebM

WebP

WebSVF (Web Sparse View Fusion)

WebMVC (Web Model-View-Controller)

WebVM (Web View Model)

WebDAV (Web Distributed Authoring and Versioning)

WebAPI (Web Application Programming Interface)

WebHook

WebSub

WebPush

WebFlux

WebFlow

WebSockets

WebWorkers

WebComponents

Shadow DOM

Custom Elements

HTML Templates

HTML Imports

HTML Modules

HTML Slots

HTML Forms

HTML Input

HTML Textarea

HTML Select

HTML Option

HTML Button

HTML Label

HTML Fieldset

HTML Legend

HTML Output

HTML Progress

HTML Meter

HTML Details

HTML Summary

HTML Command

HTML Menu

HTML Menuitem

HTML Contextmenu

HTML Dialog

HTML DataList

HTML Keygen

HTML Output

HTML Select

HTML Textarea

HTML Button

HTML Label

HTML Fieldset

HTML Legend

HTML Progress

HTML Meter

HTML Details

HTML Summary

HTML Command

HTML Menu

HTML Menuitem

HTML Contextmenu

HTML Dialog

HTML DataList

HTML Keygen

HTML Audio

HTML Video

HTML Source

HTML Track

HTML Embed

HTML Object

HTML Param

HTML Canvas

HTML Svg

HTML Math

HTML Time

HTML Mark

HTML Ruby

HTML Rt

HTML Rp

HTML Bdi

HTML Data

HTML Time

HTML Output

HTML Progress

HTML Meter

HTML Details

HTML Summary

HTML Command

HTML Menu

HTML Menuitem

HTML Contextmenu

HTML Dialog

HTML DataList

HTML Keygen

HTML Form

HTML Input

HTML Textarea

HTML Select

HTML Option

HTML Button

HTML Label

HTML Fieldset

HTML Legend

HTML Datalist

HTML Keygen

HTML Output

HTML Progress

HTML Meter

HTML Details

HTML Summary

Mobile

Mobile

Mobile device

Smartphone

Tablet

Wearable

Augmented reality

Virtual reality

Mixed reality

Internet of things

M2M (machine-to-machine)

IoT (Internet of Things)

M2M (machine-to-machine) communication

IoT (Internet of Things) communication

Mobile operating system

iOS (iPhone Operating System)

Android

Windows Mobile

Blackberry OS

Symbian

Bada

Firefox OS

Sailfish OS

Tizen

Ubuntu Touch

Mobile application

Mobile app

Native app

Hybrid app

Web app

Mobile web

Responsive web design

first

Mobile-friendly

usability

user experience

user interface

navigation

menu

search

forms

input

validation

conversion

commerce

payment

wallet

banking

money

ticketing

booking

advertising

marketing

analytics

tracking

metrics

benchmarking

A/B testing

optimization

personalization

targeting

segmentation

loyalty

CRM (customer relationship management)

Database

Database

Data

Information

Record

Field

Table

Column

Row

Cell

Tuple

Attribute

Entity

Relationship

Cardinality

Modality

Referential integrity

Primary key

Unique key

Foreign key

Index

Clustered index

Nonclustered index

Covering index

Composite index

Sparse index

Full-text index

Filter index

Statistics

Query

Select

Insert

Update

Delete

Merge

Upsert

Join

Inner join

Outer join

Cross join

Self join

Union

Intersect

Except

Minus

Natural join

Equi-join

Non-equi join

Theta join

Semi join

Anti join

Cross apply

Outer apply

Subquery

Correlated subquery

Derived table

View

Materialized view

Inline view

Temporary table

Global temporary table

Local temporary table

Table variable

Cursor

Stored procedure

Function

Trigger

Package

Cloud

Cloud

Cloud computing

Cloud services

Cloud provider

Cloud infrastructure

Cloud platform

Cloud storage

Cloud database

Cloud security

Cloud privacy

Cloud compliance

Cloud governance

Cloud standards

Cloud best practices

Cloud reference architecture

Cloud blueprint

Cloud design

Cloud deployment

Cloud integration

Cloud migration

Cloud operation

Cloud maintenance

Cloud management

Cloud monitoring

Cloud optimization

Cloud troubleshooting

Cloud automation

Cloud orchestration

Cloud DevOps

Cloud infrastructure as a service (IaaS)

Cloud platform as a service (PaaS)

Cloud software as a service (SaaS)

Cloud functions as a service (FaaS)

Cloud event as a service (EaaS)

Cloud integration as a service (IaaS)

Cloud security as a service (SECaaS)

Cloud storage as a service (STaaS)

Cloud database as a service (DBaaS)

Cloud analytics as a service (AaaS)

Cloud communication as a service (CaaS)

Cloud content as a service (CCaaS)

Cloud customer relationship as a service (CRaaS)

Cloud education as a service (EaaS)

Cloud entertainment as a service (ETaaS)

Cloud finance as a service (FaaS)

Cloud health as a service (HaaS)

Cloud human resources as a service (HRaaS)

Cloud marketing as a service (MaaS)

Cloud manufacturing as a service (MaaS)

Cloud media as a service (MaaS)

Cloud messaging as a service (MaaS)

Cloud productivity as a service (PaaS)

Cloud sales as a service (SaaS)

Cloud social as a service (SaaS)

Cloud travel as a service (TaaS)

Cloud public cloud

Cloud private cloud

Cloud hybrid cloud

Cloud multi-cloud

Cloud community cloud

Cloud shared cloud

Cloud virtual private cloud (VPC)

Cloud on-demand

Cloud elastic

Cloud scalable

Cloud pay-per-use

Cloud metered

Cloud self-service

Cloud automatic

Cloud rapid

Cloud flexible

Cloud agile

Cloud available

Cloud reliable

Cloud secure

Data structures

Data structure

Array

Linked list

Stack

Queue

Tree

Graph

Hash table

Heap

Set

Map

Dictionary

Tuple

Record

Struct

Class

Object

Method

Function

Procedure

Subroutine

Module

Package

Library

Framework

API

Protocol

Data type

Primitive data type

Non-primitive data type

Scalar data type

Non-scalar data type

Numeric data type

Non-numeric data type

Integer data type

Floating-point data type

Boolean data type

Character data type

String data type

Date data type

Time data type

Datetime data type

Timestamp data type

Interval data type

Enumeration data type

Pointer data type

Reference data type

Handle data type

Token data type

Key data type

Identifier data type

Index data type

Tag data type

Label data type

Name data type

Alias data type

Abbreviation data type

Acronym data type

Initialism data type

Symbol data type

Icon data type

Emoji data type

Operator data type

Delimiter data type

Separator data type

Terminator data type

Escape data type

Control data type

Format data type

Encoding data type

Compression data type

Cipher data type

Hash data type

Digest data type

Signature data type

Tokenization data type

Normalization data type

Transformation data type

Conversion data type

Translation data type

Mapping data type

Wrapping data type

Unwrapping data type

Marshalling data type

Unmarshalling data type