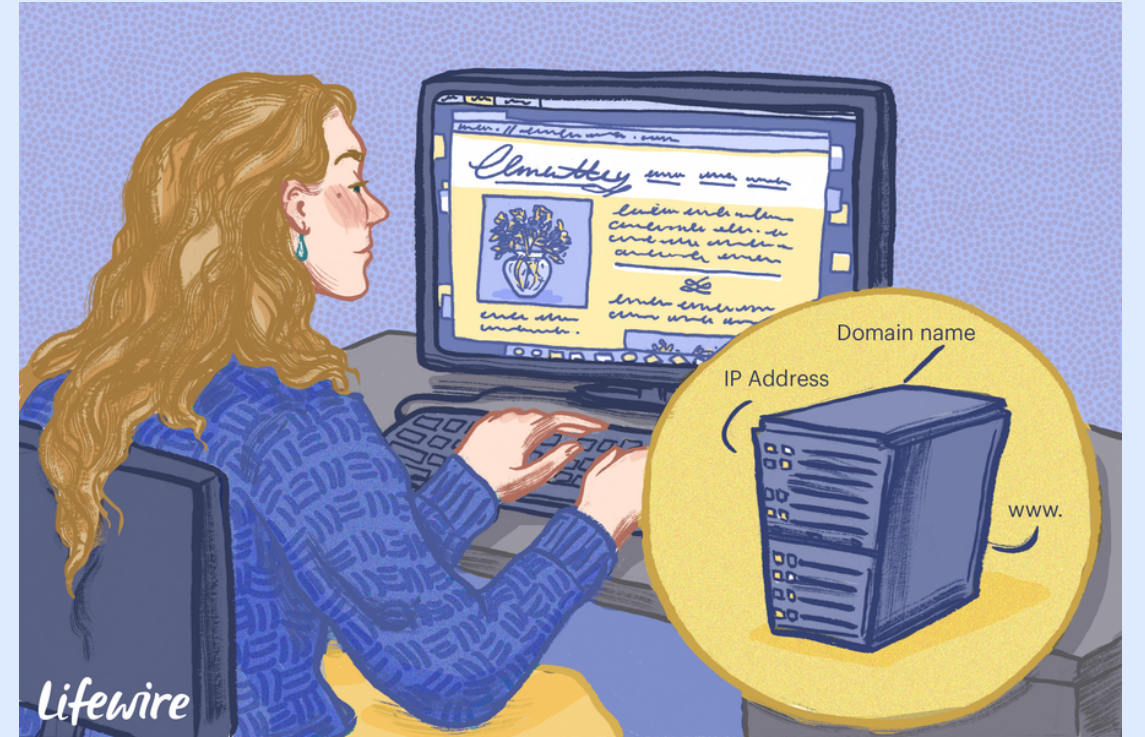


COMPUTING SYSTEMS

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PARALLEL
PROGRAMMING –

PROCESS OF BREAKING
DOWN LARGER TASKS INTO
SIMPLE ONES THAT CAN BE
CARRIED OUT
SIMULTANEOUSLY

DISTRIBUTED
COMPUTING –

A FIELD IN CS THAT
STUDIES COMPUTERS THAT
ARE ON DIFFERENT
NETWORKS AND PASS
MESSAGES TO EACH
OTHER

QUANTUM
COMPUTING –

COOL TECHNOLOGY THAT
TAKES THE LAWS OF
QUANTUM MECHANICS TO
SOLVE PROBLEMS TOO
COMPLEX FOR REGULAR
COMPUTERS



DNS –

AN ACRONYM; IT'S THE
PHONEBOOK OF THE
INTERNET

NETWORK -

**EX: INTERNET, WORLD
WIDE WEB**

A COMPUTER NETWORK IS
A SET OF COMPUTERS
SHARING RESOURCES
LOCATE PROVIDED BY
NETWORK NODES.

A UNIT OF DATA THAT'S
GROUPED TOGETHER AND
TRANSMITTED OVER A
COMPUTER NETWORK

- PACKET

PROTOCOL -

A SET OF RULES
TO DETERMINE HOW DATA
IS TRANSMITTED BETWEEN
DIFFERENT DEVICES ON
THE SAME NETWORK

HOW MUCH TIME IT TAKES
FOR A DATA PACKET TO
TRAVEL FROM ONE
DESIGNATED POINT TO
ANOTHER

- LATENCY

BRUTE FORCE ATTACK -

USING TRIAL AND ERROR
TO HACK SOMEONE

**EX: TYPING EVERY
COMBO OF 4 DIGITS TO
GET INTO SOMEONE'S
IPHONE**

REFACTORING

RESTRUCTURING CODE
WHILE NOT CHANGING ITS
- ORIGINAL FUNCTIONALITY
(THERE ARE MULTIPLE
WAYS TO WRITE THE SAME
PIECE OF CODE!)

- COMPUTER
VIRUS

RANSOMWARE -

- PACKET
SWITCHING

KEYLOGGER -

HEURISTIC -

- SCALIBILITY

BANDWIDTH -

- BIAS IN
COMPUTING

FAULT
TOLERANCE -

- SECURITY
THREATS TO
SYSTEMS

CROWDSOURCING -

- COPYRIGHT

TCP/IP -

- UDP

PHISHING -

CROWDSOURCING -

MALWARE -

- INTERFACE

CLOUD COMPUTING -

- ABSTRACTION

BIG DATA -

SOURCES

[HTTPS://WWW.LIFEWIRE.COM/WHAT-IS-A-DNS-SERVER-2625854](https://www.lifewire.com/what-is-a-dns-server-2625854)

[HTTPS://WWW.FORBES.COM/SITES/IBM/2020/01/16/THE-QUANTUM-COMPUTING-ERA-IS-HERE-WHY-IT-MATTERSAND-HOW-IT-MAY-CHANGE-OUR-WORLD/?SH=2FD2FE1A5C2B](https://www.forbes.com/sites/ibm/2020/01/16/the-quantum-computing-era-is-here-why-it-matters-and-how-it-may-change-our-world/?sh=2fd2fe1a5c2b)