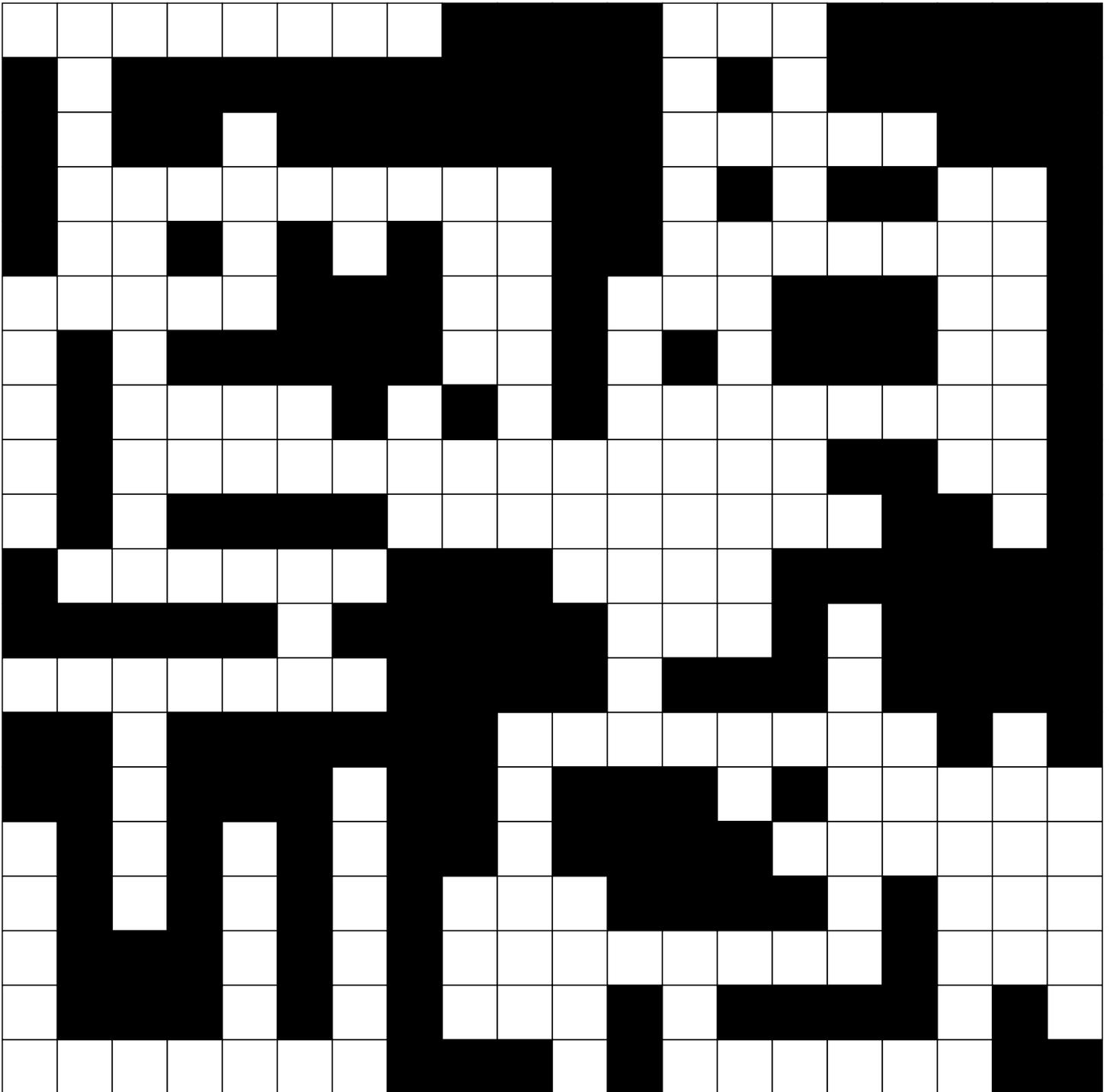


CROSSWORD PUZZLE



vertical

1. A collection of elements stored at contiguous memory locations.
2. A formal system for writing computer programs (e.g., Python, Java).
3. HyperText Markup Language, standard for web pages.
4. An output device that displays text and graphics.
5. A virtual endpoint for network communication or a physical connector.
6. An open-source operating system kernel.
7. An instance of a program running on a computer.
8. A unit of data transmitted over a network.
9. A reusable block of code in a program.
10. A single instruction that expands into multiple commands.
11. A scripting language mainly used for web development.
12. To execute a program or command.
13. Operating System, software that manages hardware and software.
14. High-speed memory that stores frequently used data.
15. JavaScript Object Notation, a lightweight data format.

16. Object-Oriented Programming, a paradigm using objects and classes.
17. A pointing device used to interact with the computer.
18. A device or point in a network.
19. A control structure that repeats instructions.
20. Internet Protocol address, unique identifier for a device online.
21. Domain Name System, translates domain names into IP addresses.
22. A platform for hosting and collaborating on code using Git.
23. A set of text characters with a specific style and design.
24. A database structure or array position indicator.
25. HyperText Transfer Protocol, used for web communication.
26. Malicious software designed to harm systems.
27. The process of finding and fixing errors in software.
28. A function defined inside a class in OOP.
29. Data entered into a computer for processing.

horizontal

1. An organized collection of structured information, usually stored electronically and accessed via queries.
2. A step-by-step procedure or formula for solving a problem or performing a task.
3. A reference (often clickable) that connects one resource or node to another (e.g., hyperlinks on the web).
4. A person or entity that interacts with a computer system or application.
5. American Standard Code for Information Interchange; character encoding for text in computers using numeric codes.
6. The server-side part of an application that handles logic, databases, and application infrastructure.
7. A computing device that processes instructions – often shorthand for "computer" or "virtual machine".
8. A system of interconnected devices that exchange data (e.g., LAN, WAN, Internet).
9. A set of rules that determine how data is transmitted and interpreted across a network.
10. A function that maps input data to a fixed-size string (hash) used for indexing, checksums, or cryptography.
11. A value or variable passed into a function, method, or procedure that customizes its behavior.
12. A variable that stores the memory address of another value (common in low-level languages).
13. An instance of a class in object-oriented programming, bundling data (properties) and behavior (methods).
14. Storage in a computer (RAM) used to temporarily hold data and instructions for quick access by the CPU.
15. A whole number data type (no fractional part).
16. A region of memory used for dynamic allocation (and also a type of priority queue in data structures).
17. A high-level, interpreted programming language known for readability and broad libraries.
18. Central Processing Unit – the primary component that performs computations and executes instructions.
19. Instructions written in a programming language that tell a computer what to do.
20. On-demand computing resources or services delivered over the Internet (storage, servers, apps).
21. The smallest unit of data in computing, representing a binary value of 0 or 1.

CROSSWORD PUZZLE (ANSWER KEY)

D	A	T	A	B	A	S	E				B	I	T							
	R										U		F							
	R			P							H	C	O	D	E					
	A	L	G	O	R	I	T	H	M		T		N			M	E			
	Y	A		R		P		T	O		I	N	T	E	G	E	R			
L	I	N	K	T				M	N		E	G	O			T	A			
I		G						L	I		D		S			H	W			
N		U	S	E	R		P		T		O	B	J	E	C	T	O	L		
U		A	S	C	I	I	H	P	O	I	N	T	E	R			D	A		
X		G					P	A	R	A	M	E	T	E	R			M		
	M	E	M	O	R	Y				H	A	S	H							
						U					C	P	U			P				
B	A	C	K	E	N	D					R					R				
		A								P	R	O	T	O	C	O	L	T		
		C				M				A			S		C	L	O	U	D	
E		H		X		O				C				H	E	A	P	P	E	
S		E		E		D			D	K	H				S		O	N	B	
U				D		U			N	E	T	W	O	R	K	S		O	I	U
O				N		L			S	T	T		O					L		G
M	A	C	H	I	N	E				P			P	Y	T	H	O	N		