

Q1: What is a program?

A1: A program is a set of instructions that tell a computer how to perform a specific task.

Q2: What is an algorithm?

A2: An algorithm is a step-by-step procedure used to solve a problem or perform a task.

Q3: What is machine learning?

A3: Machine learning is a subset of AI that allows systems to learn from data without being explicitly programmed.

Q4: What is artificial intelligence?

A4: Artificial intelligence refers to machines or systems that mimic human intelligence, such as learning and decision-making.

Q5: What is a database?

A5: A database is an organized collection of structured information stored electronically.

Q6: What is an API?

A6: An API is an Application Programming Interface that allows two software systems to communicate.

Q7: What is cloud computing?

A7: Cloud computing provides on-demand computing resources over the internet, such as storage and processing power.

Q8: What is a neural network?

A8: A neural network is a computational model inspired by the human brain, used in machine learning.

Q9: What is cybersecurity?

A9: Cybersecurity involves protecting systems, networks, and data from digital attacks.

Q10: What is big data?

A10: Big data refers to extremely large datasets that require advanced tools to store, process, and analyze.

Q11: What is DevOps?

A11: DevOps is a set of practices that combines software development and IT operations to improve delivery speed.

Q12: What is an operating system?

A12: An operating system manages computer hardware and software resources and provides services for programs.

Q13: What is a compiler?

A13: A compiler translates source code into machine code executable by a computer.

Q14: What is version control?

A14: Version control tracks changes to files and helps developers collaborate efficiently.

Q15: What is Git?

A15: Git is a distributed version control system used to manage code changes across teams and projects.

Q16: What is encryption?

A16: Encryption is the process of converting data into a coded format to prevent unauthorized access.

Q17: What is a chatbot?

A17: A chatbot is an AI-based application that interacts with users through text or voice.

Q18: What is virtualization?

A18: Virtualization creates multiple simulated environments from a single physical system.

Q19: What is a network protocol?

A19: A network protocol defines rules for communication between devices over a network.

Q20: What is HTTP?

A20: HTTP stands for HyperText Transfer Protocol and is used for communication between web browsers and servers.