

Frequently Asked Questions and Answers

Artificial Intelligence (AI)

****1. What is Artificial Intelligence?****

Artificial Intelligence is a branch of computer science that enables machines to perform tasks that normally require human intelligence such as learning, reasoning, and decision making.

****2. What are the types of Artificial Intelligence?****

The main types of AI are:

*** Narrow AI**

*** General AI**

****3. What are the applications of AI?****

AI is used in healthcare, banking, education, self-driving cars, chatbots, and recommendation systems.

Machine Learning

****4. What is Machine Learning?****

Machine Learning is a subset of Artificial Intelligence that allows computers to learn from data and improve performance without being explicitly programmed.

****5. What are the types of Machine Learning?****

The three main types are:

- * Supervised learning**
- * Unsupervised learning**
- * Reinforcement learning**

****6. What are the applications of Machine Learning?****

Applications include fraud detection, image recognition, recommendation systems, and speech recognition.

Database Management System (DBMS)

****7. What is DBMS?****

DBMS stands for Database Management System. It is software used to create, manage, and manipulate databases.

****8. What is a primary key?****

A primary key is a unique identifier used to identify each record in a table.

****9. What is normalization?****

Normalization is the process of organizing data in a database to reduce redundancy and improve data integrity.

Operating System

****10. What is an Operating System?****

An Operating System is system software that manages computer hardware and software resources.

****11. What are the functions of an operating system?****

Functions include process management, memory management, file management, and device management.

****12. What are the types of operating systems?****

Types include batch operating system, time-sharing operating system, distributed operating system, and real-time operating system.

Computer Networks

****13. What is a computer network?****

A computer network is a group of interconnected computers that share resources and exchange data.

****14. What are types of networks?****

The main types are:

- * LAN (Local Area Network)**
- * MAN (Metropolitan Area Network)**
- * WAN (Wide Area Network)**

****15. What is an IP address?****

An IP address is a unique numerical label assigned to each device connected to a network.

Programming

****16. What is programming?****

Programming is the process of writing instructions that a computer can understand and execute.

****17. What is a variable?****

A variable is a storage location used to store data values in a program.

****18. What is a loop?****

A loop is used to repeat a block of code multiple times.

Cyber Security

****19. What is cyber security?****

Cyber security is the practice of protecting computers, networks, and data from digital attacks.

****20. What is phishing?****

Phishing is a cyber attack where attackers send fake messages or emails to steal sensitive information.