

TOP 10 INTERVIEW QUESTIONS FOR IT JOBS

1.What is the difference between a process and a thread?

A. A process is an instance of a program in execution, whereas a thread is the smallest unit of execution within a process.

2. Explain the difference between SQL and NoSQL databases.

A. SQL databases are relational databases that use structured query language (SQL) for defining and manipulating data. NoSQL databases are non-relational databases that provide flexible schema design and horizontal scalability.

3. What is RESTful API?

A. RESTful API (Representational State Transfer) is an architectural style for designing networked applications. It uses HTTP requests to perform CRUD (Create, Read, Update, Delete) operations on resources identified by URIs.

4. What is the difference between GET and POST methods in HTTP?

A. GET method is used to request data from a specified resource and should only retrieve data. POST method is used to submit data to be processed to a specified resource.

5. Explain the concept of object-oriented programming (OOP)?

A. Object-oriented programming is a programming paradigm based on the concept of "objects," which can contain data in the form of fields (attributes or properties) and code in the form of procedures (methods or functions).

6. What is Git and how does it work?

A. Git is a distributed version control system used for tracking changes in source code during software development.

7. What is the purpose of an IP address?

A. An IP (Internet Protocol) address is a numerical label assigned to each device connected to a computer network that uses the Internet Protocol for communication.

8. Explain the concept of cloud computing?

A. Cloud computing is a model for delivering on-demand access to computing resources, including servers, storage, databases, networking, software, and more, over the internet.

9. What is encryption and why is it important?

A. Encryption is the process of converting plaintext into ciphertext to secure data transmission or storage.

10. Explain the concept of virtualization?

A. Virtualization is the process of creating virtual instances of computing resources, such as servers, storage, or networks, to optimize resource utilization and improve scalability, flexibility, and cost-efficiency.