Client-Server  
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Tell us about the features of client/server.

What is a Web server in a client server environment?

A software that use HTTP to respond to client requests made from the web

What is the role of the presentation layer?

They say this architecture is secure, how is it done in your opinion?  
What is a Database Server in a client server environment?  
What are Super servers in client server environments?  
Explain 2-Tier and 3-Tier architecture  
What is a File server?  
  
SOA & MicroServices  
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What are the main benefits of SOA?

Loose coupling, flexibility, and reusability

How can you achieve loose coupling in SOA?

by using service interface like WSDL for a SOAP, you can encapsulate different functionalities in a way in which it will limit the impact of changes to the implementation of different service interfaces.

Are web services and SOA the same?

No, SOA is an architectural concept while web services are used to complete them.

What is a reusable service?

Reusable service is a stateless functionality that has the required granularity.

What are the disadvantages of SOA?

High Bandwidth Server, Extra Overload, High Cost

What is ESB and where does it fit in?

An enterprise service bus is a software architecture that allows for the integration of enterprise applications and services. It provides the connections between applications that need to communicate with one another like a router.

In SOA do we need to build a system from scratch?

No, if we need to integrate any existing system you just can loosely couple wrappers.

What is the most important skill needed to adopt SOA? technical or cultural?

Cultural.

List down the advantages of Microservices Architecture.

What are the best practices to design Microservices?

Reaching the Glory Rest, continuous Delivery and API gateways

How does Microservice Architecture work?

What are the pros and cons of Microservice Architecture?

 The pros are can develop, maintain, and deploy each microservice independently. microservices scale better, also reduce the time to market. The cons are; Maintaining a network, poorer performance , harder to test , security issues

What is the difference between Monolithic, SOA and Microservices Architecture?

**Monolithic** is similar to a big container wherein all the software components of an application are assembled together and tightly packaged. A **Service-Oriented Architecture** is essentially a collection of services That communicate services communicate with each other. **Microservices** an architectural style that structures an application as a collection of small autonomous services,

What are the challenges you face while working Microservice Architectures?

Managing, monitoring, fault Tolerance, Testing

What are the characteristics of Microservices?

application of small services and Services are built around business capabilities, independently deployable.