1.What is role of client

-Creating interactive web pages

-Interacting with temporary and local storage

-Sending data requests to a server

-Interfacing between servers and users

2.What is role of server?

* Completing database operations
* Connecting with other servers
* Processing requests
* Accessing server files
* Querying a database
* Creating web applications

3. What is client server architecture?

Client server architecture is a model in which the server hosts, delivers, and manages the resources and requested by the client. all requests and services are delivered over a network. The client-server architecture or model has other systems connected over a network where resources are shared on the different computers.

4.What is role of compiler?

 Compilers analyse and convert source code written in different languages such as Java, C++, C#   etc…... They're commonly used to generate machine code that can be executed by the target host system.

5. What is difference between Compiler and Interpreter?

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| * Interpreter | * Compiler |
| * Translates program one statement at a time. | * Scans the entire program and translates it. |
| * It usually take less amount of time. | * Compilers usually take a large amount of time. |
| * No Object Code is generated, so its memory efficient. | * Generates Object Code which requires more memory. |
| * languages like JavaScript, Python, Ruby use interpreters. | * Programming languages like C, C++, Java use compilers. |

6. What is MVC?

The Model-View-Controller (MVC**)** is separates an application into three components: the model, the view, and the controller. Each component are built to handle specific development aspects of an application.

7. What is communication protocol and what is difference between HTTP and HTTPS

Communication protocols are formal descriptions of digital message formats and rules.

-HTTP is considered to be insecure and HTTPS is secure

-HTTP Works at Application Layer and HTTPS works at Transport Layer

-HTTP speed is faster than HTTPS

8 What is .net?

.NET is an open-source development platform for building many types of applications. .net is Designed by Microsoft, the platform supports multiple programming languages like C++, C# and libraries to build web, mobile, desktop, IoT applications, and more.

9. What is CLR?

CLR is the **run-time environment in the .NET Framework** that runs the codes and helps in making the development process easier by providing the various services CLR provides a managed execution environment for the *.NET* programs by improving the security, including the cross language integration and a rich set of class libraries.

10. . What is difference between CLS and CTS?

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| CTS stands for Common Type System | CLS stands for Common Language Specification |
| It is meant for declaring different data types, | It is meant for language interoperability |
| CTS is a superset of CLS this means it does not support all types in CTS | CLS is a subset of CTS i.e. all languages will be supported here. |

11. What is difference between Compiler and Interpreter?

-----same as ans 5--------

12. What is communication protocol and what is difference between HTTP and HTTPS?

-----same as ans 7--------

13. What do you mean by design pattern?

**Design pattern** is a general repeatable solution to a commonly occurring problem in software design. It is a description or template for how to solve a problem that can be used in many different situations.

14. What is client server architecture

-----same as ans 3--------

15. What is difference between Asp.Net and MVC.Net?

ASP.NET is a web platform. It provides a layer that sits on top of the web server which facilite the creation of web applications and web services. ASP.NET MVC is a framework specifically for building web applications. It sits on top of ASP.NET and uses APIs provided by ASP.NET. ASP.NET Web Forms is another framework specifically for building web applications, and the new ASP.NET Web API is a platform for building web services.