**1. What is ASP.NET?**

[ASP.NET](https://www.simplilearn.com/tutorials/asp-dot-net-tutorial/what-is-asp-dot-net) is a server-side technology used for developing dynamic websites and web applications on the internet. It also produces data-driven web applications.

Microsoft released ASP.NET in 2002 to build dynamic websites and web applications using the .NET framework.

**2. What is MVC?**

[MVC](https://www.simplilearn.com/mvc-interview-questions-and-answers-article) is a software architectural pattern that divides an application into three main parts: Model, View, and Controller.

**Model:** The model helps to create the application's data domain and represents the application's public properties and business logic.

**View:** View represents the data tables, charts, and diagrams by collecting the data from the model.

**Controller:** The controller helps handle user interactions and controls the flow of the application.

**3. What is CLR?**

The **Common Language Runtime (CLR)** is the core execution environment of the .NET framework. It provides services such as memory management, exception handling, security, and garbage collection for applications written in different .NET-supported languages (like C#, VB.NET, and F#).

**4. How CLR Works?**

* **C# Code Compilation**
  + The C# compiler converts source code (.cs files) into **Intermediate Language (IL)** code (.dll or .exe).
* **Execution by CLR**
  + The CLR loads the IL code and uses the **JIT (Just-In-Time) Compiler** to convert it into native machine code.
* **Runtime Execution**
  + The CLR manages memory, security, and execution while the application is running.

**5. What is IIS? And why do you use it?**

* Internet Information Server (IIS) is a web server used to host and provide internet-based services to ASP.NET and ASP Web applications.
* IIS has its process engine to handle the requests. Using an IIS a computer can work as a web server and provide functionality for deploying ASP.NET web applications. It is also responsible for responding to users' requests.