Web Application Development Technology

What is ASP.NET?

- ASP.NET is a specification by Microsoft which is used to create web applications and web services.
- It is a part of ".Net framework".
- You can create ASP.Net applications in most of the .Net compatible languages like Visual Basic, C#, etc.
- ASP.NET was developed by Microsoft to allow programmers to build dynamic web sites, web applications and web services.
- ASP.NET provides much better performance than scripting languages.

What is ASP.NET MVC framework?

- ASP.NET MVC is a web application framework for the .NET Platform used for building full stack web applications using the Model-View-Controller pattern.

From which base class all Web Forms are inherited?

- Page class.

What is IIS?

- IIS stands for Internet Information Services. It is created by Microsoft to provide Internet-based services to ASP.NET Web applications.

What is a multilingual website?

- If a website provides content in many languages, it is known as a multilingual website. It contains multiple copies of its content and other resources, such as date and time, in different languages.

What are the advantages of ASP.NET?

- ASP.Net is the next generation of ASP technology platform. It is superior to ASP in the following ways:
  - Highly Scalable
  - Compiled Code
  - User Authentication
  - Language Support
  - Third party control
  - Configuration and Deployment are easy.
  - Object and Page caching
  - Strict coding requirements

What is the concept of Postback in ASP.NET?

- Postback is a request which is sent from a client to the server from the same page user is working with. There is an HTTP POST request mechanism in ASP.NET. It posts a complete page back to the server to refresh the whole page.

What is the used of "isPostBack" property?

- The "IsPostBack" property of page object is used to check that the page is posted back or not.

How do you identify that the page is PostBack?

- There is a property named "IsPostBack" property in Post object, which can be checked to know that the page is posted back.

What is the parent class of all web server control?

- *System.Web.UI.Control* class

What is the difference between a page theme and a global theme?

- **Page Theme:** The page theme is applied to particular web pages of the project. It is stored inside a subfolder of the App_Themes folder.
- **Global Theme:** The Global theme is applied to all the web applications on the web server. It is stored inside the Themes folder on a Web server.

What is the difference between server-side scripting and client-side scripting?

- **Server-side scripting:** In server-side scripting, all the script are executed by the server and interpreted as needed.
- **Client-side scripting:** In client-side scripting, the script will be executed immediately in the browser such as form field validation, email validation, etc.
  The client-side scripting is usually carried out in VBScript or JavaScript.

What are the different validators in ASP.NET?

- Required field Validator
  Range Validator
  Compare Validator
  Custom Validator
  Regular expression Validator
  Summary Validator

Which validator control you use if you need to make sure the values in two different controls matched?

- Compare Validator control.

Where the viewstate is stored after the page postback?

- ViewState is stored in a hidden field on the page at client side. ViewState is transported to the client and back to the server, and is not stored on the server or any other external source.

What is ViewState?

- ViewState is a feature of ASP.NET to store the values of a page before it is submitted to the server. After posting the page, data from is ViewState is restored.

What is ViewState information stored?

- It is stored in HTML hidden field.

What are the built-in objects in ASP.NET?

- The major built-in objects are given below:
  Application
  Session
  Context
  Request
  Response
  Server
  Trace