

### **Ques1.Explain asp .net life and page life cycle ?**

**Ans.** ASP stands for Active Server Page. ASP was developed by Microsoft to allow programmers to create a dynamic website.

ASP.NET is a web development platform, which provides a programming model, a comprehensive software infrastructure and various services required to build up robust web applications for PC, as well as mobile devices.

#### **Events That Occur During Life Cycle Of Asp.Net Page**

##### **1. Page Request**

When a request to render a page is made by browser to a web server. A request to render aspx page starts the life cycle of Asp.Net page.

##### **2. Start**

In this phase, the page gets access to properties like Request and Response that are used to interact with the pages environment.

##### **3. Page Initialization**

During this phase, the controls that you have set up in your page or added dynamically will become available. Additionally, the Page class fires three events: Init, InitComplete, and PreLoad. "Page.Init" event fires ASP.NET checks to determine whether the page is requested for the first time or if it is a postback. If the request is a new one, then ASP.NET creates the page. It generates the page with all the controls defined in the .aspx page.

##### **4. Load**

In this phase page raises the Load event. In this event, initialization such as populating the dynamic controls or dropdown list etc is done. Page always raises this event, it doesn't matter whether the page is loaded for the first time or it is a postback. Initialization is to be done only once. On a postback, ASP.NET restores the control properties automatically from ViewState information.

##### **5. Validation**

Validation controls are used to validate user input before processing. After the page is loaded, validation controls gets fired and displays error messages. You just have to check whether the Page.IsValid is true or false.

##### **6. Postback Event Handling**

In this phase controls like button,dropdown etc can fire their event. when a button is clicked or dropdown's selected index is changed onclick() and onchange() is fired respectively.

When an onclick() or onchange() event is fired it makes a postback.

##### **7. Rendering**

Rendering is the phase where the controls and the page itself is the output of their HTML to the browser.

##### **8. Unload**

The unload phase is really a clean-up phase. In this phase the page and controls releases resources and "Response" and "Request" properties of page are unloaded. During this phase, the Unload event is raised and any operations required to clean-up can be performed.

### **Ques3.What are the different types of objects created in asp and explain all those.**

**Ans3.** The different types of objects created in asp are:

1.**Application:** It is used for global Asa.It describes all the methods,properties and collections that are present everywhere in the web application.

2.**Request:** It allows access to both header and body of the HTTP request.It describes the data related to the HTTP Request like cookies ,sessions,etc.

3.**Response:** It allows control over the HTTP response to the client.The methods , properties and collections that are stored in the object to store the response that are sent.

4.**Session:** It provides additional methods and properties associated with IIS or PWS.It describes the information related to the user session that exist throughout the session of a particular session .

5.**Server:**It allows the management of an user connection with the server.