ASP.NET Directives

- ASP.NET directives are instructions to specify optional settings, such as registering a custom control and page language.
- These settings describe how the web forms (.aspx) or user controls (.ascx) pages are processed by the .Net framework.

The syntax for declaring a directive is:

<%@ directive_name attribute=value [attribute=value] %>

Various ASP.NET Directives:

[1] The Application Directive

[2] The Assembly Directive

[3] The Control Directive

[4] The Implements Directive

[5] The Import Directive

[6] The Master Directive

[7] The MasterType Directive

[8] The OutputCache Directive

[9] The Page Directive

[10] The PreviousPageType Directive

[11] The Reference Directive

[12] The Register Directive

[1] The Application Directive

The Application directive defines application-specific attributes. It is provided at the top of the global.aspx file.
The basic syntax of Application directive is:

<%@ Application Language="C#" %>

The attributes of the Application directive are:

Attributes	Description
Inherits	The name of the class from which to inherit.
Description	The text description of the application. Parsers and compilers ignore this.
Language	The language used in code blocks.

[2] The Assembly Directive

The Assembly directive links an assembly to the page or the application at parse time. This could appear either in the global.asax file for application-wide linking, in the page file, a user control file for linking to a page or user control.
The basic syntax of Assembly directive is:

<%@ Assembly Name ="myassembly" %>

The attributes of the Assembly directive are:

Attributes	Description
Name	The name of the assembly to be linked.
Src	The path to the source file to be linked and compiled dynamically.

[3] The Control Directive

The control directive is used with the user controls and appears in the user control (.ascx) files.
The basic syntax of Control directive is:

<%@ Control Language="C#" EnableViewState="false" %>

The attributes of the Control directive are:

Attributes	Description
AutoEventWireup	The Boolean value that enables or disables automatic association of events to handlers.
ClassName	The file name for the control.
Debug	The Boolean value that enables or disables compiling with debug symbols.
Description	The text description of the control page, ignored by compiler.
EnableViewState	The Boolean value that indicates whether view state is maintained across page requests.