**Jaydeep : MODULE 5**

**1. Explain Areas in MVC?**

**Ans.**

**Areas allows you to separate your modules and organize Model, View, Controller, Web. config and Routing registration file into separate sections.**

**2. Explain RenderSection in MVC?**

**Ans.**

**@RenderSection is used for injecting content in the defined section. It allows you to specify a region in Layout**.

**3. Which assembly is the MVC framework is defined?**

Ans.

**System.Web.Mvc assembly**

**The MVC framework is defined in the System. Web. Mvc assembly. MVC is a standard design pattern that many developers are familiar with.**

**5. What is difference between javascript and jquery?**

**Ans.**

**JavaScript is a programming language. jQuery is an Application Programming Interface (API). JavaScript boosts up the execution of a program and saves the time required for connecting to the server. It provides numerous interfaces to developers for creating catchy web pages**

**6. What is Linq?**

**Ans.**

**Language-Integrated Query (LINQ) is the name for a set of technologies based on the integration of query capabilities directly into the C# language. Traditionally, queries against data are expressed as simple strings without type checking at compile time or IntelliSense support.**

**7. What is difference between Linq and Entity Framework.?**

**Ans.**

**Entity Framework is an object-relational mapping (ORM) framework for connecting C# code to external databases, usually SQL Server. LINQ is a query language embedded into C# and a set of extension methods in order to make it useful.**

**10. What is Data Annotation Validator Attributes in MVC?**

**Ans.**

**Data annotations are the attributes that we can find in the System. ComponentModel. DataAnnotations namespace. These attributes provide Server side validation and the framework also supports client side validation.**

**11. What are AJAX Helpers in MVC?**

**Ans.**

**AJAX Helpers are used to create AJAX enabled elements like as Ajax enabled forms and links which performs request asynchronously. AJAX Helpers are extension methods of AJAXHelper class which exist in System. Web. Mvc namespace.**

**14. What are required attributes for Ajax call?**

**Ans.**

**Parameters: The list of possible values are given below:**

* **type: It is used to specify the type of request.**
* **url: It is used to specify the URL to send the request to.**
* **xhr: It is used for creating the XMLHttpRequest object.**
* **async: It’s default value is true. It indicates whether the request should be handled asynchronous or not.**
* **dataType: The data type expected of the server response.**
* **ifModified: It’s default value is false. It is used to specify whether a request is only successful if the response has changed since the last request.**
* **jsonpCallback: It is** **used to specify a name for the callback function in a jsonp request.**
* **cache: It’s default value is true. It indicates whether the browser should cache the requested pages.**
* **data: It is used to specify data to be sent to the server.**
* **success(result, status, xhr): It is to be run when the request succeeds.**

**16. What is JsonResultType in MVC?**

**Ans.**

**JsonResult is an ActionResult type in MVC. It helps to send the content in JavaScript Object Notation (JSON) format.**

**17. What is the meaning of Unobtrusive JavaScript?**

**Ans.**

**In short, unobtrusive JavaScript is a way of writing JavaScript so that your site visitors are not shut out of your site for one of these reasons—even if your JavaScript is not working correctly for them, they should still be able to use your site, albeit at a more basic level.**

**18. What are the sub types of ActionResult?**

**Ans.**

ViewResult**- Renders a specified view to the response stream**

PartialViewResult**- Renders a specified partial view to the response stream**

EmptyResult**- An empty response is returned**

RedirectResult**- Performs an HTTP redirection to a specified URL**

RedirectToRouteResult**- Performs an HTTP redirection to a URL that is determined by the routing engine, based on given route data.**

JsonResult**- Serializes a given ViewData object to JSON format**

JavaScriptResult**- Returns a piece of JavaScript code that can be executed on the client**

ContentResult**- Writes content to the response stream without requiring a view**

FileContentResult**- Returns a file to the client**

FileStreamResult**- Returns a file to the client, which is provided by a Stream**

FilePathResult**- Returns a file to the client.**

**21. Different way to return view in MVC?**

**Ans.**

* **return View()**
* **return RedirectToAction()**
* **return Redirect()**
* **return RedirectToRoute()**