

MODULE :- 4 [Getting Started]

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- **Explain Dependency Injection.**

Ans :- In software engineering, dependency injection is a design pattern in which an object or function receives other objects or functions that it depends on. A form of inversion of control, dependency injection aims to separate the concerns of constructing objects and using them, leading to loosely coupled programs.

- **Explain various types of Dependency Injection.**

Ans :- A class is no longer responsible for creating the objects it requires, and it does not have to delegate instantiation to a factory object as in the Abstract Factory design pattern. There are three types of dependency injection — constructor injection, method injection, and property injection.

- **What is session? What is the default time for session?**

Ans :- The default is 20 minutes. Session Timeout property cannot be set to a value greater than 525,600 minutes (1 year). The default value is 20 minutes. default session time for asp.net is 20 minutes.

- **What is Partial View in MVC? With example**

Ans :- A partial view is a Razor markup file (.cshtml) without an @page directive that renders HTML output within another markup file's rendered output. The term partial view is used when developing either an MVC app, where markup files are called views, or a Razor Pages app, where markup files are called pages.

- **What is query string? What are disadvantages of query string?**

Ans :-

1. Disadvantages: - All the attributes and values are visible to the end user.
 2. Therefore, they are not secure. - There is a limit to URL length of 255 characters.
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- **What is cookie? What are limitations for cookie?**

Ans :- Most of the browsers store cookies in text files in clear text. So it's not secure at all and no sensitive information should be stored in cookies. · Most of the browsers have restrictions on the length of the text stored in cookies. It is 4096(4kb) in general but could vary from browser to browser.

- **What is the use of 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. In live MVC Project implementation we can use Areas concept for organizing project in better manageable way. Area separate logical section like Model, View, Controller, Web.

- **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.

- **What is difference between Linq and Entity Framework?**

Ans :- LINQ to SQL allow you to query and modify SQL Server database by using LINQ syntax. Entity framework is a great ORM shipped by Microsoft which allow you to query and modify RDBMS like SQL Server, Oracle, DB2 and MySQL etc. by using LINQ syntax. Today, EF is widely used by each and every .
