**SESSION IN ASP.NET MVC**

* Session is a property of Controller class whose type is HttpSessionStateBase.
* Session is also used to pass data within the ASP.NET MVC application and unlike TempData.
* It persist for its expiration time (default time is 20 minutes but it can be increased).
* Session is valid for all requests, not for a single redirect.
* It also requires type casting for getting data and check for null value to avoid error.
* Session has a performance drawback because it slow down the application that’s why it is not recommended to always use Session, Session can be used according to the situation.
* A session state stores session-specific information for an ASP.NET MVC application.
* However, the scope of session state is limited to the current browser session.
* When many users access an application simultaneously, then, each of these users will have a different session state.
* Similar to application state, a session state stores application-specific data in key-value pairs.
* This session-specific information should be maintained between server round trips and requests for pages.
* An active session is identified and tracked by a unique session ID string containing American Standard Code for Information Interchange (ASCII) characters.
* Like application state, you can also store objects and variables in a session state.

**Following code snippet shows adding a variable named, TestVariable in a session state:**

Session["TestVariable"]="Welcome to MVC Application";

**While using session state, you need to consider the following issues:**

* A variable or an object that is added to a session state remains until a user closes the browser window. By default, a variable or object is automatically removed from the session state after 20 minutes if a user does not request a page.
* A variable or an object added to the session state is related to a particular user.

**A session state can be lost in case of the following situations:**

* User closes or restarts the browser.
* User accesses the same Web page through a different browser window.
* The session times out because of inactivity for 20 minutes.
* The **Session.Abandon()** method is called within the page code.